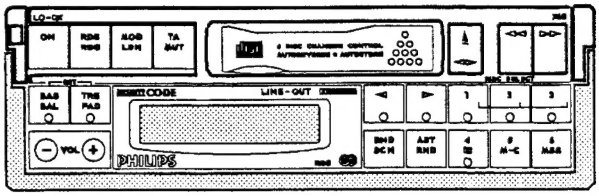
Cassette car radio 22DC730/00R

22DC740/00R

Service
Service
Service



For repair information of the Cassette Deck see Service Manuel of Auto Cassette Deck P6-25/2 for 22DC730
P6-25/3 for 22DC740

ServiceManual

12 V

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PHILIPS

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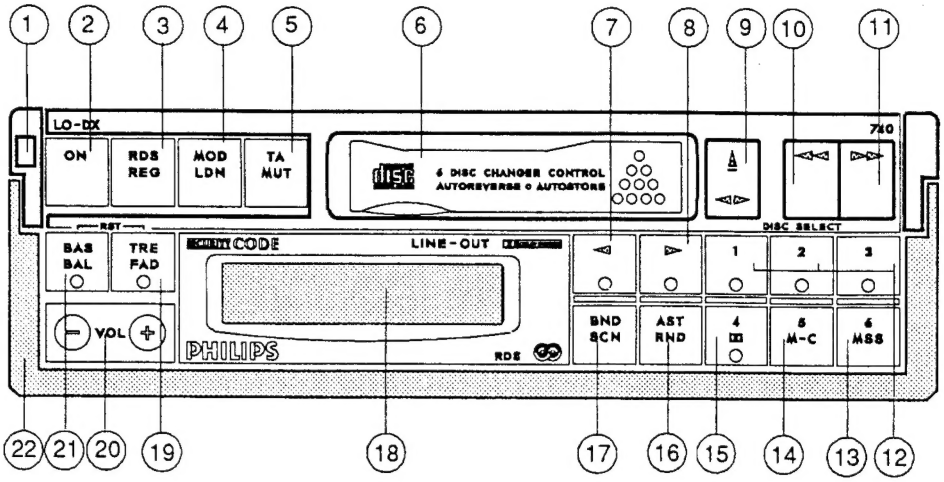
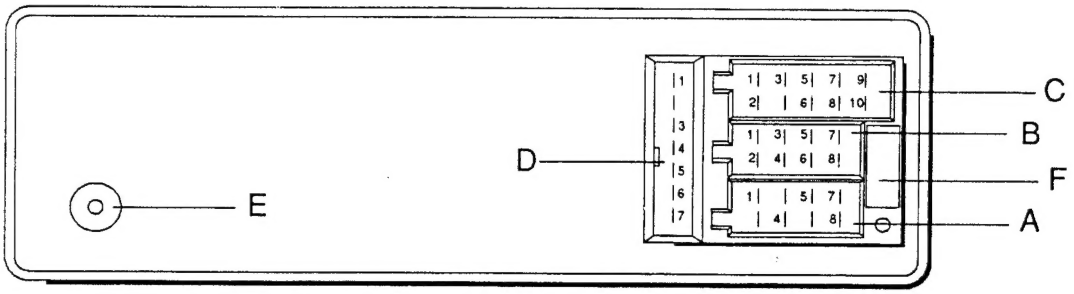
CONTROLS



1. Release button
2. ON / OFF
3. RDS / REG
4. Mode #/ Mono £ / Loudness
5. TA / Mute
6. Cassette aperture with flap
7. Search Down
8. Search Up
9. Eject / Manual reverse
10. Fast Rewind
11. Fast Forward
12. Presets 1-2-3
13. Preset 6 / MSS #
14. Preset 5 / Metal - Chrome
15. Preset 4 / Dolby
16. Autostore / Random #
17. Band / Scan #
18. Display
19. Treble / Fader
20. Volume + / -
21. Bass / Balance
22. Handle

: For 22DC740/00R only
£ : For 22DC730/00R only

REAR VIEW



A : POWER SUPPLY

- A1 Telephone mute
- A4 Permanent Plus
- A5 Switched Plus aerial
- A7 Switched Plus
- A8 Ground

E : AERIAL PLUG

F : FUSE : 10 A #
5 A £

B : LOUDSPEAKERS

- B1 Rear right
- B2 Rear right ground
- B3 Front Right
- B4 Front Right ground
- B5 Front Left
- B6 Front Left ground
- B7 Rear left
- B8 Rear left ground

C : CD CHANGER #

- C1 Bus ground
- C2 Clock
- C3 Data
- C5 Switched Plus
- C6 Ground
- C7 Switched Plus aerial
- C8 Line in right
- C9 Line in left
- C10 Line in ground

D : LINE OUT

- D1 Booster command
- D3 Line out ground
- D4 Front right
- D5 Rear right
- D6 Front left
- D7 Rear left

CS 58 216

TECHNICAL DATA

GENERAL

Power supply	:14.4V DC
Dimensions	:180x160x51 mm
Retractable unit	: 22 EA 6030

RADIO

LW	: 144-288 KHz
MW	: 531-1611 KHz
FM	: 87.5-108 MHz
IF-AM	: 10.7 MHz
IF-FM	: 10.7 MHz
Sensivity 26dB S/R	: 40 µV (LW)
	: 35 µV (MW)
	: 3 µV (FM)
Limitation α-3dB	: 8 to 25 µV

CASSETTE

Cassette mechanism	: P6-25/2 £
	: P6-25/3 #
Number of tracks	: 2x2
Tape speed	: 4.76 cm/sec
Wow and flutter	: ≤0.35%
Crosstalk	:≥ 32 dB

AMPLIFIER

Output power	: 4 X 5W – 2 X 16W / 4Ω £
(D = 10%)	: 4 X 15W / 4Ω #
Line Out voltage	: 75 mV
CD Input sensivity #	: 75 mV
Loudness	: +10 ± 2 dB at 100 Hz
	: +1 ± 1 dB at 1 KHz
	: +3 ± 1 dB at 10 KHz
Tone control	
Bass	: +14 / -11± 2 dB at 60 Hz
	: +12 / -8 ± 2 dB at 100 Hz
	: +6 / -3 ± 2 dB at 250 Hz
Treble	: +4 / -4 ± 2 dB at 3 KHz
	: +10 / -10 ± 2 dB at 10 KHz

£ : 22DC730/00R

#: 22DC740/00R

ESD

WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

ACTIVATING PROTECTION

POWER OFF. PRESS UP+
POWER ON

↓

DISPLAY SHOWS
"CODE"

↓

ENTER CODE

DEACTIVATING PROTECTION

POWER OFF.PRESS UP+
POWER ON

↓

DISPLAY SHOWS "CODE"

↓

ENTER CODE

↓

PRESS P1 KEY UNTIL ♫♫
PROTECTION DEACT
RADIO STARTS

ENTERING A CODE

Example : 3752

DISPLAY SHOWS "CODE"

↓

PRESS P1 KEY
DISPLAY SHOWS " 0 "

↓

PRESS "UP" KEY UNTIL DISPLAY
SHOWS 1st DIGIT OF CODE
" 3 "

↓

PRESS P1 KEY
DISPLAY SHOWS " 3 0 "

↓

PRESS"UP" KEY UNTIL DISPLAY
SHOWS 2nd DIGIT OF CODE
" 3 7 "

↓

PRESS P1 KEY
DISPLAY SHOWS " 37 0 "

↓

PRESS"UP" KEY UNTIL DISPLAY
SHOWS 3rd DIGIT OF CODE
" 37 5 "

↓

PRESS P1 KEY
DISPLAY SHOWS " 375 0 "

↓

PRESS"UP" KEY UNTIL DISPLAY
SHOWS 4th DIGIT OF CODE
" 375 2 "

↓

PRESS P1 KEY
UNTIL ♫ OR ♪

→ ♪ INCORRECT CODE

↓

WAITING PERIOD

↓

AFTER EACH INCORRECT
CODE,WAITING PERIOD IS
DOUBLED : 1,2,4,8 mn WITH
A MAXIMUM OF 32 mn

↓

DURING WAITING PERIOD
DISPLAY SHOWS ⁻⁻⁻⁻
AND EVERY ACTION IS
REFUSED

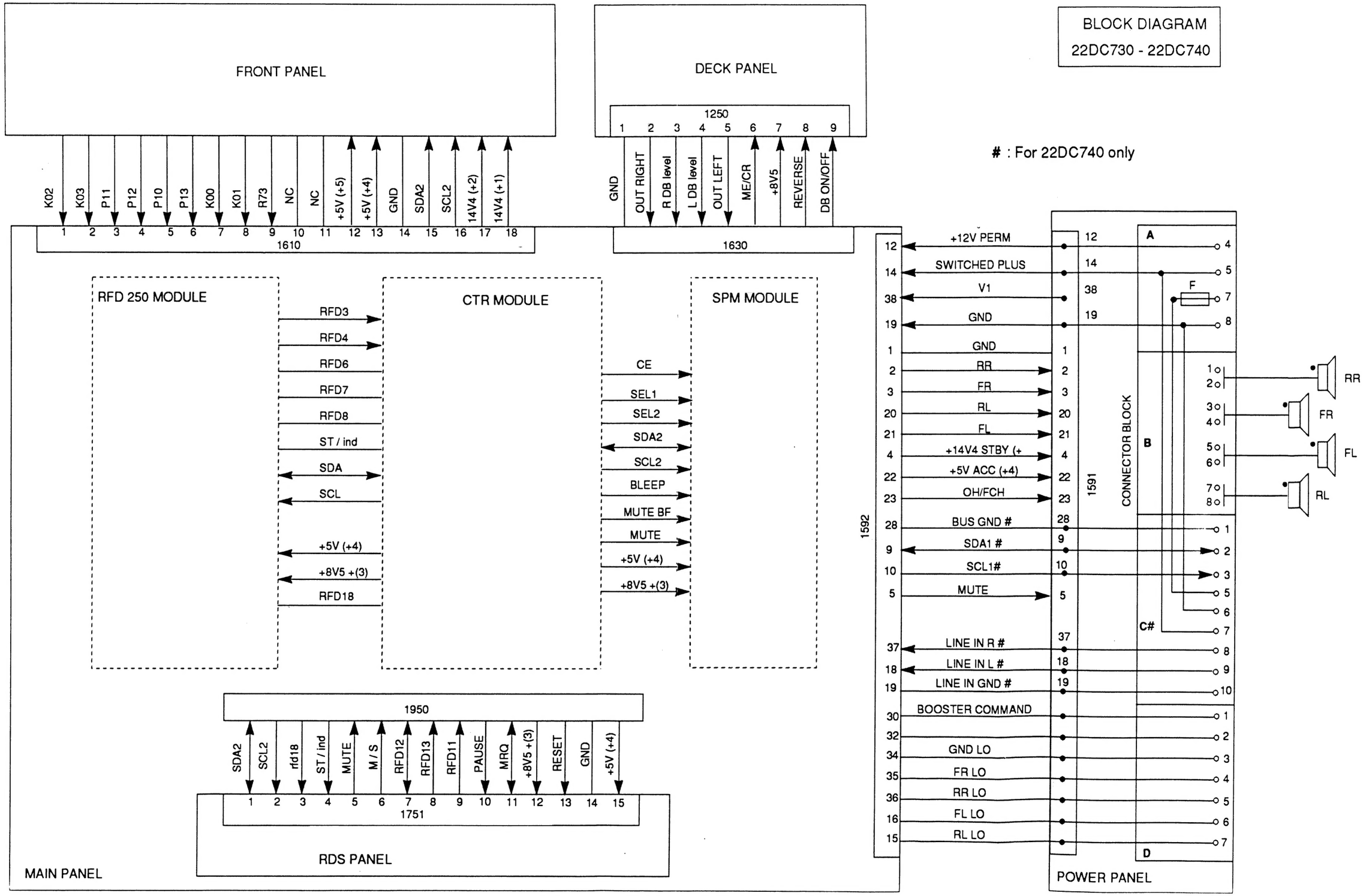
↓

♫ CODE CORRECT
RADIO STARTS

22 DC 730 / 00R
22 DC 740 / 00R

BLOCK DIAGRAM
22DC730 - 22DC740

: For 22DC740 only



CS 58 219

For checking and adjusting see general procedures

Check	SK				Setting of controls	
Demodulated FM levels	FM	98 MHz 1 mV Δf=22.5 KHz f mod = 1 KHz	B			1 200 mV ± 1 dB
		98 MHz 1 mV Δf = 6.75 KHz f mod = 19 KHz				1 60 mV ± 1 dB
		98 MHz 1 mV Δf = 3.75 KHz f mod = 57 KHz				1 32 mV ± 2 dB
Demodulated AM level	MW	1053 KHz 1 mV 1 KHz, 30% AM	A			250 mV ≤ 2 ≤ 500 mV
VC FM	FM		B	87.5 MHz		3 > 1.0 V
				108 MHz		3 < 6.5 V
VC AM	LW		A	144 KHz		4 > 0.8 V
	MW			1611 KHz		4 < 6.5 V
FM limiting Sensivity	FM	93 MHz 15 µV Δf=22.5 KHz f mod = 1 KHz	B			5 1.6V DC ± 0.1 V
FM Mute	FM	93 MHz 1mV	B			6 0 dB (775 mV)
		No signal				6 < -16 dB
Oscillator voltage	FM		B	98 MHz		7 > 20 mV
	AM		A	1053 KHz		8 > 30 mV

Adjustment	SK					
Quad detector	FM	93 MHz40 µV	B	P2 93 MHz	5150	DC between 11 and 15 of 7150 ≤ 200 mV
FM limiting sensivity	FM	93 MHz 15µV Δf = 22.5 KHz f mod = 1 KHz	B	P2 93 MHz	3155	5 1.6 V DC ± 0.1 V
Search level AM	MW	990 KHz 125µV unmodulated	A	P1 990 KHz	3157	10 1.75 V DC ± 0.1V

DC VOLTAGES

RDS Module

1 = 5.0 V SDA2
2 = 5.0 V SCL2
3 = 3.6 V
4 = 5.0 V
5 = 0.0 V
6 = 5.0 V
7 = 4.9 V SDA
8 = 4.9 V SCL
9 = 0.0 V
10 = 5.0 V Pause
11 = 5.0V
12 = 8.5 V
13 = 5.0 V
14 = GND
15 = 5.0 V

7210 TDA 1591

1 = 4.8 V
2 = 4.3V
3 = GND
4 = 3.0 V
5 = 8.4 V
6 = 2.3 V
7 = 2.2 V FM - 0.0 V AM
8 = 5.0 V
9 = 3.8 V
10 = 3.8 V
11 = 3.8 V
12 = 3.8 V
13 = 3.8 V
14 = 3.8 V
15 = 4.1 V
16 = 4.1 V
17 = 4.3 V
18 = 5.0 V
19 = 3.8 V
20 = 3.0 V

7050 TEA6200

1 = 6.8 V AM
2 = 4.0 V AM
3 = 8.3 V AM
4 = 8.3 V AM
5 = 8.3 V AM
6 = 8.3 V AM
7 = 0.7 V AM
8 = 4.1 V AM
9 = 4.1 V AM
10 = 4.1 V AM
11 = 6.8 V AM
12 = 1.5 - 3.0 V Search
13 = 4.9 V AM
14 = 8.4 V AM / 0.2 V FM
15 = 4.8 V AM
16 = 4.8 V AM
17 = GND
18 = 1.0 V AM
19 = 1.3 V AM
20 = 3.2 V AM

7150 TEA 6100 / N3

1 = 8.3 V
2 = 0.7 V
3 = 2.7 V
4 = 0 V
5 = 0.3 V
6 = 40 KHz
7 = GND
8 = 8.4 V
9 = 4.9 V SCL
10 = 4.9 V SDA
11 = 4.2 V
12 = 4.6 V
13 = 4.6 V
14 = 2.5 V
15 = 4.3 V
16 = 2.9 V
17 = 2.9 V
18 = 2.9 V
19 = 2.9 V
20 = GND

7180 TSA6057 / C5

1 = 4 MHz
2 = 4 MHz
3 = 4.8 V
4 = GND
5 = 1.9 V
6 = 1.9 V
7 = 1.9 V
8 = 0.2 V FM
8.3 V AM
9 = 40 KHz
10 = 4.8 V SDA
11 = 4.8 V SCL
12 = GND
13 = 1.3 V - 5.8 V FM
14 = 2 .1 V
15 = 2.3 V - 4 V AM
16 = 8.3 V

TUNER Module

1 = GND
2 = 0.0 V
3 = GND
4 = 0.0 V
5 = 1.8 V
6 = 8.5 V
7 = 1.5 V
8 = 1.5 V
9 = GND
10 =1.8 V
11 = 0.0 V
12 = 0.3 V
13 = 1.9 V

7370 HEF 4052

1 = 3.8 V
2 = 3.8 V
3 = 3.8 V Cas / Rad 5.6 V CD
4 = 3.8 V
5 = 0 V
6 = 0 V
7 = GND
8 = GND
9 = 8.5 V
10 = 8.5 V
11 = 3.8 V
12 = 3.8 V
13 = 3.4 V Cas / Rad 5.6 V CD
14 = 0 V
15 = 8.6 V
16 = 8.6 V

7620 TEA 6310

1 = 5.0 SDA 2
2 = GND
3 = 4.3 V
4 = 4 3 V
5 = 4.3 V
6 = 4.3 V
7 = 4.3 V
8 = N.C.
9 = 8.5 V
10 = 8 V
11 = 8.5 V
12 = N.C.
13 = N.C.
14 = 4.3 V
15 = 4.3 V
16 = N.C.
17 = N.C.
18 = GND
19 = N.C.
20 = 4.3 V
21 = N.C.
22 = 4.3 V
23 = 4.3 V
24 = 4.3 V
25 = 4.3 V
26 = 4.3 V
27 = 8.5 V
28 = 5.0 SCL 2

7630 L 4918

1 = 14.0 V
2 = 2.6 V
3 = GND
4 = GND
5 = 8.5 V

7631 L 4904

1 = 12.6 V
2 = 14.4 V
3 = 5.6 V
4 = GND
5 = N .C.
6 = 4.3 V
7 = 5.0 V
8 = 5.0 V

7650 LA2000

1 = 2.0 V
2 = 8.3 V
3 = 2.0 V
4 = N.C.
5 = GND
6 = 5.0 V
7 = N.C.
8 = N.C.
9 = 8.5 V

7820 74HC107

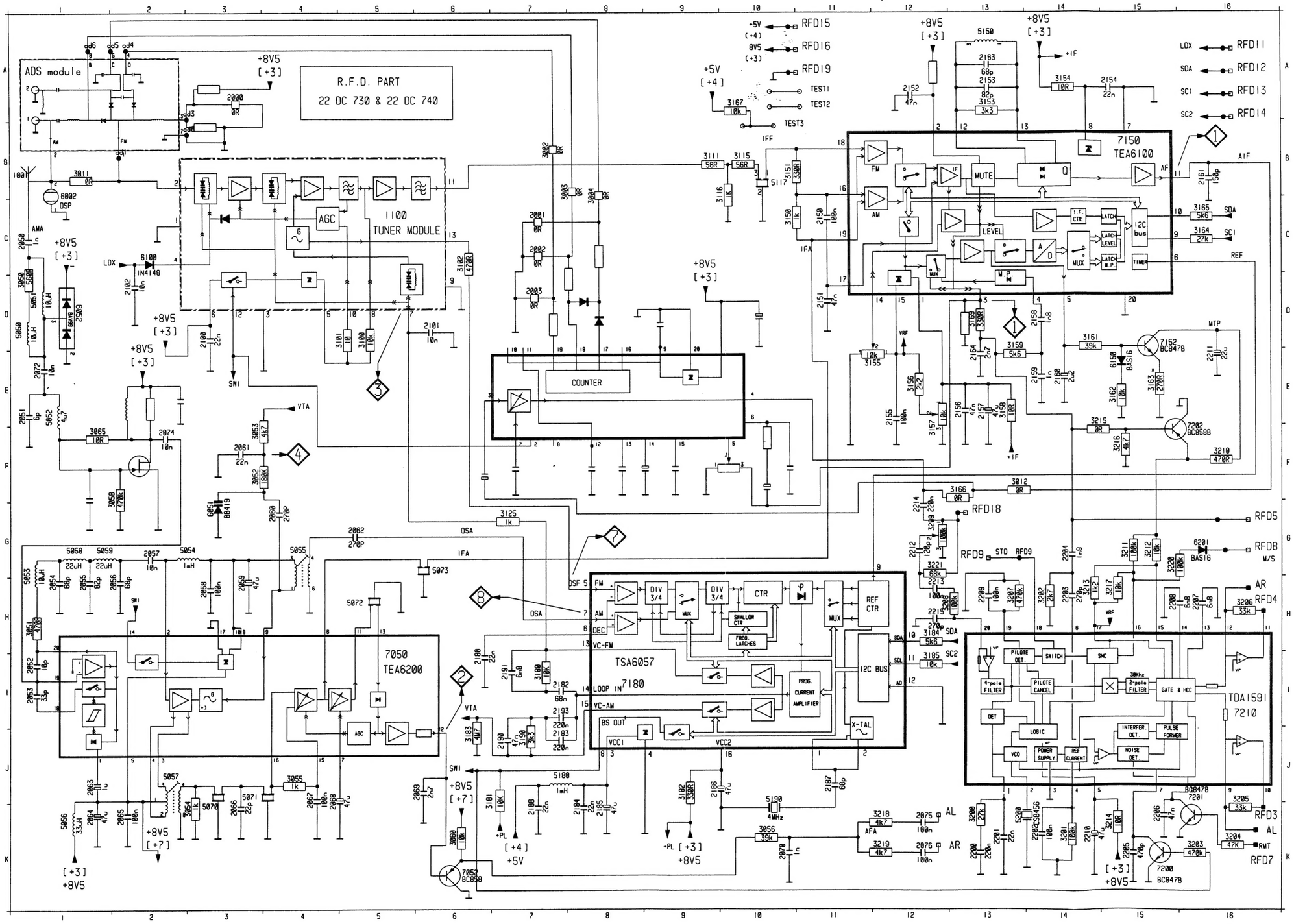
1 = 4.8 V SCL1
2 = 5.0 V
3 = N.C.
4 = 4.8 V SCL1
5 = N.C.
6 = 5.0 V
7 = GND
8 = 4.8 V SCL1
9 = 0.0 V
10 =5.0 V
11 =4.8 V SCL1V
12 = 4.8 V SDA1
13 = 5.0 V
14 = 5.0 V

7840 ST24C04B6

1 = GND
2 = GND
3 = GND
4 = GND
5 = 4.8 V SDA
6 = 4.8 V SCL
7 = GND
8 = 5 V

7660 TMP 47 C 800 N.

1 = 5.0 V
2 = 4.8 V SDA1
3 = 4.8 V SCL1
4 = 0.0 V
5 = 5.0 V , 0.0 V Pause
6 = 5.0 V
7 = 0.0 V , 2.6 V Mute
8 = N.C.
9 = 8.5 V
10 = 0.0 V
11 = 0.0 V
12 = 5.0 V Cas > , 0.0 V Cas <
13 = 0.0 V , 5.0 V Dolby
14 = 0.0 V , 5.0 V CR
15 = 4.0 V
16 = KEYB. 1
17 = KEYB. A
18 = KEYB. B
19 = KEYB. C
20 = KEYB. D
21 = GND
22 = 0.8 V
23 = 5.0 V Beep
24 = 8.5 V Rad , 0.0 V Cas
25 = 5.0 V On , 0.0 V Off
26 = KEYB. 2
27 = KEYB. 3
28 = KEYB. 4
29 = KEYB. 5
30 = GND
31 = 4 MHz
32 = 4 MHz
33 = 5.0 V Reset
34 = 4.2 V Hold
35 = 5.0 V
36 = 5.0 V Rad , 0.0 V Cas
37 = N.C.
38 = 0.0 V , 4.0 V Cas on
39 = 0.0 V Cas > , 5.0 V Cas <
40 = 4.9 V SDA2
41 = 4.9 V SCL2
42 = 5.0 V



1100	C 5	3011	B 1	5070	K 3
2000	A 3	3012	F13	5071	J 3
2001	C 7	3050	D 1	5072	H 5
2002	C 7	3051	H 1	5073	G 6
2003	D 7	3052	F 3	5117	B10
2050	C 1	3053	F 3	5150	A13
2051	E 1	3054	K 3	5180	J 7
2052	I 1	3055	J 4	5190	J10
2053	I 1	3056	K10	5200	K13
2054	H 1	3058	F 2	6002	B 1
2055	H 1	3059	E 2	6051	G 3
2056	H 2	3060	K 6	6052	D 1
2057	G 2	3065	F 1	6100	C 2
2058	H 3	3100	D 5	6150	E15
2059	H 3	3101	D 5	6201	G16
2060	G 4	3102	C 6	7050	I 5
2061	F 3	3111	B 9	7051	F 2
2062	G 5	3115	B10	7052	K 6
2063	J 1	3116	B10	7150	B15
2064	K 1	3125	G 7	7152	D15
2065	K 2	3150	C10	7180	I 8
2066	K 3	3151	B10	7200	K15
2067	J 4	3152	A12	7201	J16
2068	J 4	3153	A13	7202	F16
2069	J 6	3154	A14	7210	I16
2070	K10	3155	E12		
2072	E 1	3156	E12		
2073	F 1	3157	F12		
2074	F 2	3158	E13		
2075	K12	3159	D13		
2076	K12	3160	D13		
2080	E 2	3161	D14		
2100	D 3	3162	E15		
2101	D 6	3163	E15		
2102	D 2	3164	C16		
2150	C11	3165	C16		
2151	D11	3166	F13		
2152	A12	3167	A10		
2153	A13	3169	D13		
2154	A15	3180	I 7		
2155	E12	3181	J 6		
2156	E13	3182	J 9		
2157	E13	3183	J 6		
2158	D14	3184	H12		
2159	E14	3185	I12		
2160	E14	3190	J 7		
2161	B16	3200	K13		
2163	A13	3201	K14		
2164	E13	3202	H14		
2180	I 6	3203	K16		
2182	I 7	3204	K16		
2183	J 7	3205	J16		
2184	K 8	3206	H16		
2185	K 8	3207	H13		
2186	J 9	3208	H12		
2187	J11	3209	G12		
2188	K 7	3210	F16		
2190	J 7	3211	G15		
2191	I 7	3212	G15		
2193	I 7	3213	H14		
2200	K13	3214	K15		
2201	K13	3215	E14		
2202	K14	3216	F15		
2203	H14	3217	H15		
2204	G14	3218	K12		
2205	K15	3219	K12		
2206	K15	3220	G15		
2207	H16	3221	G12		
2208	H15	5050	D 1		
2209	H13	5051	D 1		
2210	K14	5052	E 1		
2211	E16	5053	G 1		
2212	G12	5054	G 3		
2213	H12	5055	G 4		
2214	G12	5056	K 1		
2215	H12	5057	J 2		
3002	B 7	5058	G 1		
3003	B 7	5059	G 1		
3004	B 8	5062	E 2		

CONTROL PART
22 DC 730 & 740

Signal Processing Module

To APS Module

To DECK

TO APS Module

For 22 DC 740 ONLY

7840
ST24C04B6
TEST

TMP47C800N
7660

L4918
7630

7631
L4904

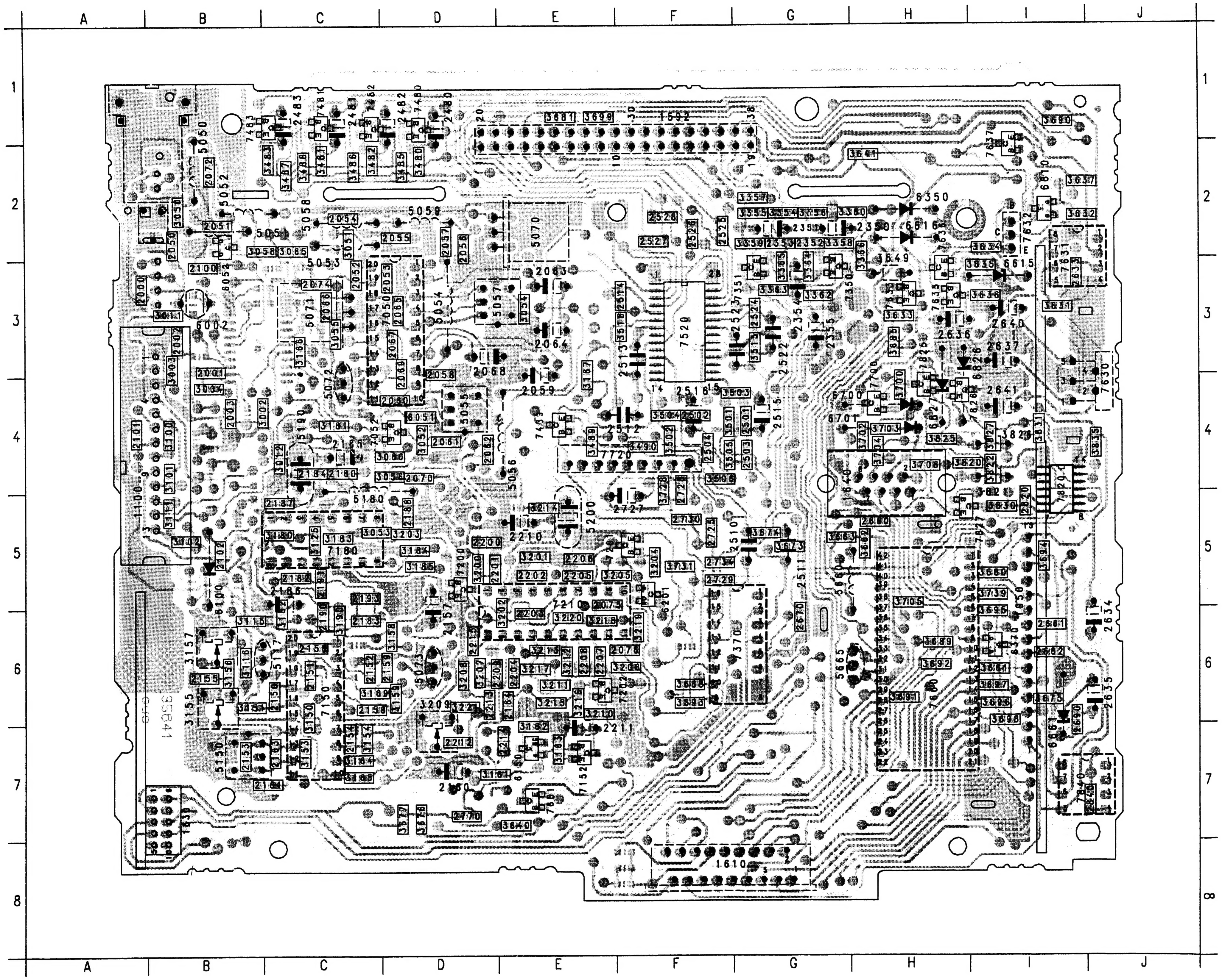
7820

To RDS Module

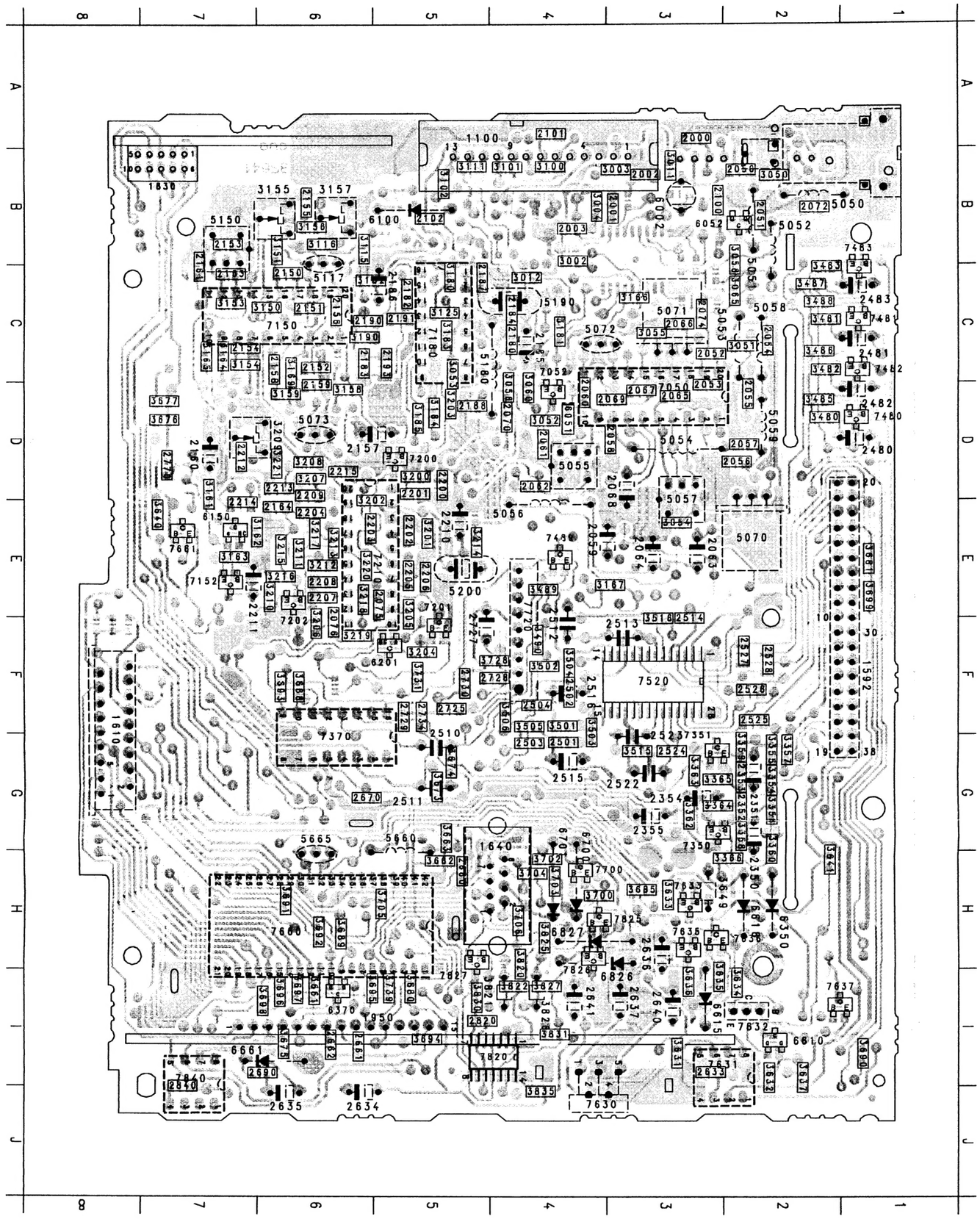
To FRONT PART

To APS Module

2633	K13	7700	K 3
2634	J12	7820	C14
2635	J11	7825	A14
2636	K14	7826	B14
2637	G12	7827	B14
2640	K 8	7840	C 1
2641	K 9		
2660	F10		
2661	G 1		
2662	G 1		
2690	E13		
2770	J 1		
2820	D16		
2840	C 1		
3631	K13		
3632	J14		
3633	I13		
3634	K15		
3335	K16		
3636	K16		
3637	G13		
3640	D 4		
3641	J16		
3649	I16		
3661	D 7		
3662	F 9		
3663	F 9		
3675	K 1		
3676	J 1		
3677	K 1		
3680	E 1		
3681	F14		
3685	H12		
3689	D11		
3690	F16		
3691	D11		
3692	D11		
3693	D10		
3694	D10		
3695	D 9		
3696	D 9		
3697	D 9		
3698	D12		
3699	E13		
3700	K 3		
3702	J 4		
3703	J 3		
3704	D 8		
3705	D 8		
3706	D 7		
3820	A15		
3821	A15		
3822	A13		
3825	B15		
3826	A15		
3827	A13		
3830	C13		
3831	B13		
3835	D16		
5660	F 9		
5665	G10		
6610	K16		
6615	K16		
6616	I16		
6661	F13		
6700	K 3		
6701	K 3		
6826	B14		
6827	A14		
7630	K 9		
7631	J12		
7632	G13		
7633	H13		
7635	K14		
7636	K15		
7637	H13		
7660	G 7		
7661	J 2		



1100	5A	2513	3F	3217	6E	5059	2D
1592	1F	2514	3F	3218	6E	5070	2E
1610	8G	2515	4G	3219	6F	5071	3C
1640	4H	2516	4F	3220	6E	5072	4C
1950	5I	2522	3G	3221	6D	5073	6D
2000	3B	2523	3G	3354	2G	5117	6C
2001	3B	2524	3G	3355	2G	5150	7B
2002	3B	2525	2F	3356	2G	5180	5C
2003	4B	2526	2F	3357	2G	5190	4C
2050	2B	2527	2F	3358	2G	5200	5E
2051	2B	2528	2F	3359	2G	5660	5G
2052	3C	2633	3I	3360	2H	5665	6G
2053	3D	2634	6J	3362	3G	6002	3B
2054	2C	2635	6J	3363	3G	6051	4D
2055	2D	2636	3H	3364	3G	6052	3B
2056	2D	2637	3I	3365	3G	6100	5B
2057	2D	2640	3I	3366	2H	6150	7E
2058	3D	2641	4I	3480	2D	6201	5F
2059	4E	2660	5H	3481	2C	6350	2H
2060	4D	2661	6I	3482	2C	6370	6I
2061	4D	2662	6I	3483	2C	6610	2I
2062	4D	2670	6G	3485	2D	6615	3I
2063	3E	2690	6I	3486	2C	6616	2H
2064	3E	2725	5F	3487	2C	6661	7I
2065	3D	2727	5F	3488	2C	6700	4H
2066	3C	2728	4F	3489	4E	6701	4G
2067	3D	2729	5F	3490	4F	6826	3I
2068	3D	2730	5F	3501	4G	6827	4H
2069	3D	2734	5F	3502	4F	7050	3D
2070	4D	2770	7D	3503	4G	7052	4D
2072	2B	2820	5I	3504	4F	7150	6C
2074	3C	2840	7J	3505	4G	7152	7E
2075	5E	3002	4C	3506	4F	7180	5C
2076	6F	3003	3B	3515	3G	7200	5D
2100	3B	3004	4B	3516	3F	7201	5F
2101	4A	3011	3B	3631	3I	7202	6F
2102	5B	3012	4C	3632	2J	7210	5E
2150	6C	3050	2B	3633	3H	7350	3H
2151	6C	3051	2C	3634	2I	7351	3G
2152	6C	3052	4D	3635	3I	7370	6G
2153	7B	3053	5D	3636	3I	7480	1D
2154	7C	3054	3E	3637	2J	7481	1C
2155	6B	3055	3C	3640	7E	7482	1C
2156	6C	3056	4D	3641	2H	7483	1B
2157	6D	3058	2C	3649	3H	7489	4E
2158	6C	3060	4D	3661	6I	7520	3F
2159	6D	3065	2C	3662	5H	7630	4J
2160	7D	3100	4B	3663	5G	7631	3I
2161	7C	3101	4B	3673	5G	7632	2I
2163	7C	3102	5B	3674	5G	7633	3H
2164	6E	3111	5B	3675	6I	7635	3H
2180	4C	3115	6B	3676	7D	7636	2H
2182	5C	3116	6B	3677	7D	7637	2I
2183	6C	3125	5C	3680	5I	7660	6H
2184	4C	3150	6C	3681	1E	7661	7E
2185	4C	3151	6B	3685	3H	7700	3H
2186	5C	3153	7C	3688	6F	7720	4F
2187	5C	3154	7C	3689	6H	7820	4I
2188	5D	3155	6B	3690	1I	7825	3H
2190	6C	3156	6B	3691	6H	7826	4I
2191	5C	3157	6B	3692	6H	7827	5I
2193	5C	3158	6D	3693	6F	7840	7I
2200	5D	3159	6D	3694	5I		
2201	5E	3161	7E	3695	6I		
2202	5E	3162	7E	3696	6I		
2203	6E	3163	7E	3697	6I		
2204	6E	3164	7C	3698	6I		
2205	5E	3165	7C	3699	1E		
2206	5E	3166	3C	3700	4H		
2207	6E	3167	3E	3702	4H		
2208	6E	3169	6D	3703	4H		
2209	6E	3180	5C	3704	4H		
2210	5E	3181	4C	3705	5H		
2211	7F	3182	6C	3706	4H		
2212	7D	3183	5C	3728	4F		
2213	6D	3184	5D	3731	5F		
2214	7E	3185	5D	3739	5I		
2215	6D	3190	6C	3820	4I		
2350	2H	3200	5D	3821	5I		
2351	2G	3201	5E	3822	4I		
2352	2G	3202	6E	3825	4H		
2353	2G	3203	5D	3826	4I		
2354	3G	3204	5F	3827	4I		
2355	3G	3205	5F	3830	5I		
2480	1D	3206	6F	3831	4I		
2481	1C	3207	6D	3835	4J		
2482	1D	3208	6D	5050	1B		
2483	1C	3209	6D	5051	2C		
2501	4G	3210	6E	5052	2B		
2502	4F	3211	6E	5053	3C		
2503	4G	3212	6E	5054	3D		
2504	4F	3213	6E	5055	4D		
2510	5G	3214	5E	5056	4E		
2511	5G	3215	6E	5057	3E		
2512	4F	3216	6E	5058	2C		



1100 5A 2513 3F 3217 6E 5069 2D
1592 1F 3218 3F 5070 2E
1610 8G 2516 4F 3219 6F 5071 3C
1640 4H 2515 4G 3220 6F 5072 4C
1950 5I 2522 3G 3221 6D 5073 6D

2000 3B 2523 3G 3354 2G 5117 6C
2001 3B 2524 3G 3355 2G 5150 7B
2002 3B 2525 2G 3356 2G 5180 5C
2003 4B 2526 2F 3357 2G 5190 4C
2050 2B 2527 2F 3358 2G 5200 5E

2051 2B 2528 2F 3359 2G 5660 5G
2052 3C 2633 3I 3360 2H 5665 6G
2053 3D 2634 6J 3362 3G 6002 3B
2054 2C 2635 3H 3364 3G 6051 4D
2055 2D 2636 3H 3365 3G 6100 5B
2056 2D 2637 3I 3366 2H 6150 7E
2057 2D 2640 3I 3480 2D 6201 5F
2058 3D 2641 4I 3481 2C 6360 2H
2059 4E 2660 5H 3482 2C 6370 6I
2060 4D 2661 6I 3483 2C 6610 2I
2061 4D 2662 6I 3485 2D 6615 3I
2062 4D 2670 6G 3486 2C 6616 2H
2063 3E 2690 6I 3487 2C 6661 7I
2064 3E 2725 5F 3488 2C 6700 4H
2065 3D 2727 5F 3489 4E 6701 4G
2066 3C 2728 4F 3490 4F 6826 3I
2067 3C 2729 5F 3501 4G 6827 4H
2068 3D 2730 5F 3502 4G 7052 4D
2069 3D 2770 7D 3503 4G 7150 6C
2072 2B 2820 5I 3504 4F 7152 7E
2074 3C 2840 7J 3505 4G 7180 6C
2075 5E 3002 4C 3515 4F 7200 5D
2076 6F 3003 3B 3516 3G 7201 5F
2100 3B 3004 4B 3631 3I 7202 6F
2101 4A 3011 3B 3632 2J 7210 5E
2102 5B 3012 4C 3633 3H 7350 3H
2150 6C 3050 2B 3634 2I 7351 3G
2161 6C 3051 2C 3635 3I 7370 6G
2162 6C 3052 4D 3636 3I 7480 1D
2153 7B 3053 5D 3637 2J 7481 1C
2154 7C 3054 3E 3640 7E 7482 1C
2155 6B 3055 3C 3641 2H 7483 1B
2156 6C 3056 4D 3649 3H 7489 4E
2157 6D 3058 2C 3650 3F 7520 3F
2158 6C 3060 4D 3661 6I 7630 4J
2159 6D 3065 2C 3662 5H 7631 3I
2160 7D 3100 4B 3663 5G 7632 2I
2161 7C 3101 4B 3673 5G 7633 3H
2163 7C 3102 5B 3674 5G 7635 3H
2164 6E 3111 5B 3675 6I 7636 2H
2180 4C 3115 6B 3676 6I 7637 2H
2182 5C 3116 6B 3677 7D 7639 2I
2183 6C 3125 5C 3680 5I 7660 6H
2184 4C 3150 6C 3681 1E 7661 7E

2185 4C 3151 6B 3685 3H 7700 3H
2186 5C 3153 7C 3688 6F 7720 4F
2187 5C 3154 7C 3689 6H 7820 4I
2188 5D 3155 6B 3690 1I 7825 3H
2190 6C 3156 6B 3691 6H 7826 4I

2191 5C 3157 6B 3692 6H 7827 5I
2193 5C 3158 6D 3693 6F 7840 7I
2200 5D 3159 6D 3694 6I
2201 5E 3161 7E 3695 6I
2202 5E 3162 7E 3696 6I

2203 6E 3163 7E 3697 6I
2204 6E 3164 7C 3698 6I
2205 5E 3165 7C 3699 1E
2206 5E 3166 3C 3700 4H
2207 6E 3167 3E 3702 4H

2208 6E 3169 6D 3703 4H
2209 6E 3180 5C 3704 4H
2210 7E 3181 4C 3705 5H
2211 7E 3182 6C 3706 4H
2212 7D 3183 5C 3728 4F

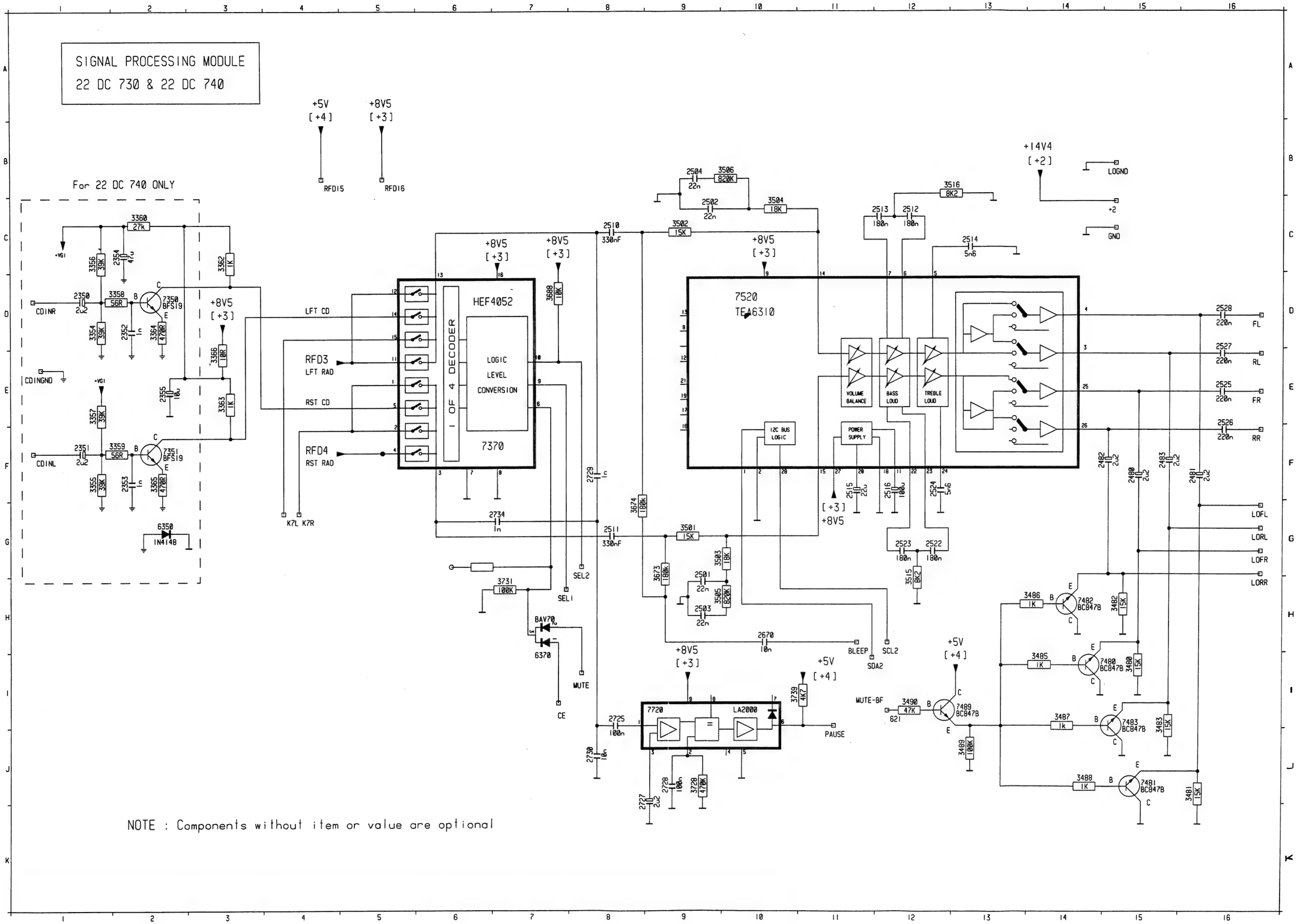
2213 6D 3184 5D 3731 5F
2214 7E 3185 5D 3739 5I
2215 6D 3190 6C 3820 4I
2350 2H 3200 5D 3821 5I
2351 2G 3201 5E 3822 4I

2352 2G 3202 6E 3825 4H
2353 2G 3203 5D 3826 4I
2354 3G 3204 5F 3827 4I
2355 3G 3205 5F 3830 5I
2480 1D 3206 6F 3831 4I

2481 1C 3207 6D 3835 4J
2482 1C 3208 6D 5050 1B
2483 1C 3209 6D 5051 2C
2501 4G 3210 6E 5052 2B
2502 4F 3211 6E 5053 3C

2503 4G 3212 6E 5054 3D
2504 4F 3213 6E 5055 4D
2510 5G 3214 5E 5056 4E
2511 5G 3215 5G 5057 3E
2512 4F 3216 6E 5068 2C

SIGNAL PROCESSING MODULE
22 DC 730 & 22 DC 740



NOTE : Components without item or value are optional

2350	D	1
2351	F	1
2352	D	2
2353	F	2
2354	C	2
2355	E	2
2480	F	15
2481	F	16
2482	F	14
2483	F	15
2501	H	9
2502	C	9
2503	H	9
2504	B	9
2510	C	8
2511	G	8
2512	C	12
2513	C	12
2514	C	13
2515	F	11
2516	F	12
2522	G	12
2523	G	12
2524	F	12
2525	E	16
2526	F	16
2527	E	16
2528	D	16
2670	H	10
2725	I	8
2727	J	8
2728	J	9
2729	F	8
2730	J	8
2734	G	7
3354	D	1
3355	F	1
3356	C	1
3357	E	1
3358	D	2
3359	F	2
3360	C	2
3362	C	3
3363	E	3
3364	D	2
3365	F	2
3366	E	3
3480	I	15
3481	J	16
3482	H	15
3483	I	15
3485	I	14
3486	H	14
3487	I	14
3488	J	14
3489	J	13
3490	I	12
3501	G	9
3502	C	9
3503	G	9
3504	C	10
3505	H	9
3506	B	10
3515	H	12
3516	B	13
3673	G	9
3674	G	8
3688	D	7
3728	J	9
3731	H	7
3739	I	10
6350	G	2
6370	H	7
7350	D	2
7351	F	2
7370	F	6
7480	I	14
7481	J	15
7482	H	14
7483	I	15
7489	I	13
7520	D	10
7720	I	9

AUDIO POWER SUPPLY

APS 170 Module 22 DC 730

M1		M20	RL
M2	RR	M21	FL
M3	FR	M22	V2 (+5V ACC)
M4	STBY	M23	OH/FCH
M5	MUTE	M24	CLIP
M6	NC	M25	C7
M7	A2	M26	SDA
M8	A1	M27	SCL
M9	C3	M28	C1
M10	C2	M29	C4
M11	C5	M30	D1
M12	A4	M31	C6
M13	A6	M32	D2
M14	A5	M33	A3
M15	D7	M34	D3
M16	D6	M35	D4
M17	C10	M36	D5
M18	C9	M37	C8
M19		M38	V1

1591

TO MAIN BOARD (1592)

STBY, MUTE, 47k, 3564 6k8, 3565 3k9, S1, V2, 7552 BC848

V1, 2571 1000µF, 2570 1000µF, 6570 1N4002, 2574 22nF, 100mµH 5570, 5A, 2587 100pF

7550 TDA1516: RR, 3550 10k, 2550 470p, 3556 4R7, 3558 4R7, 2556 4n7, 2558 4n7

7551 TDA1516: FL, 3551 10k, 2551 470p, RL, 3553 10k, 2553 470p, 3560 4R7, 3562 4R7, 2560 4n7, 2562 4n7

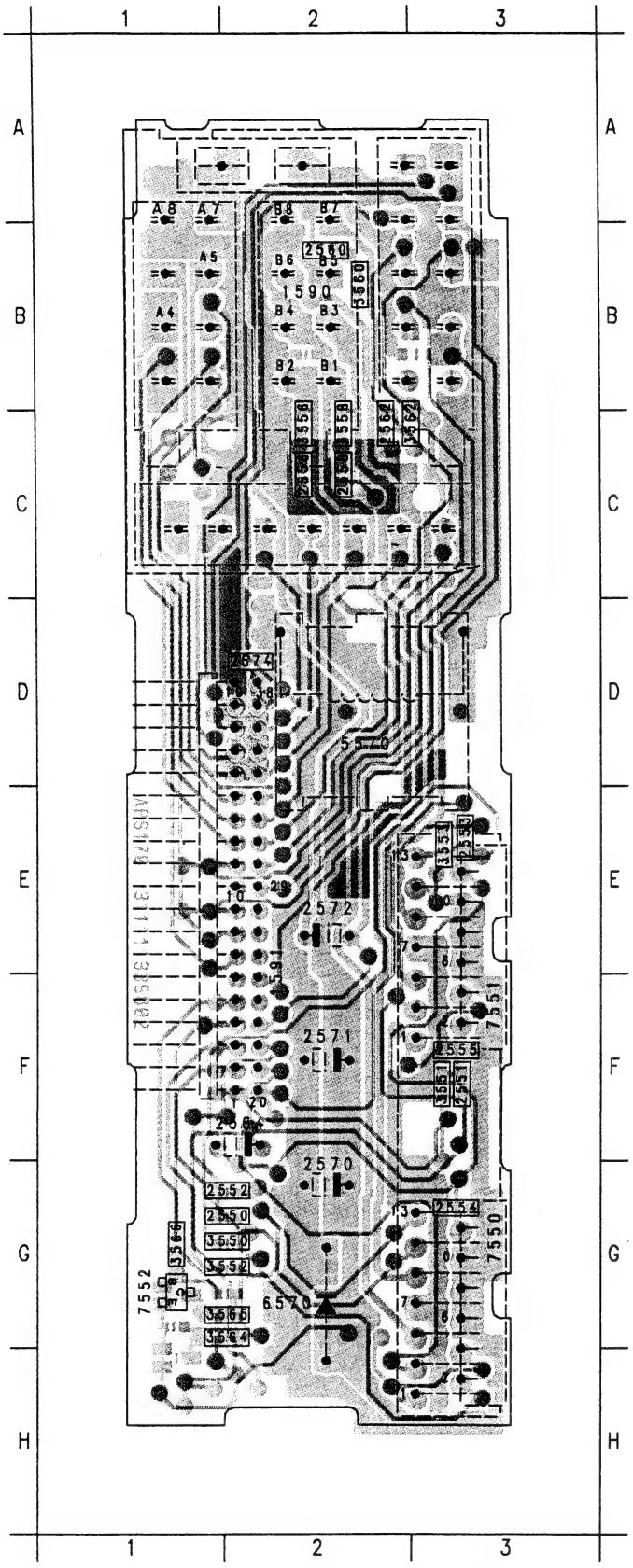
2554 100n, 2555 100n, 2564 10 220µF, 2572 10 1000µF, OH/FCH

2588 100pF, 2589 100pF

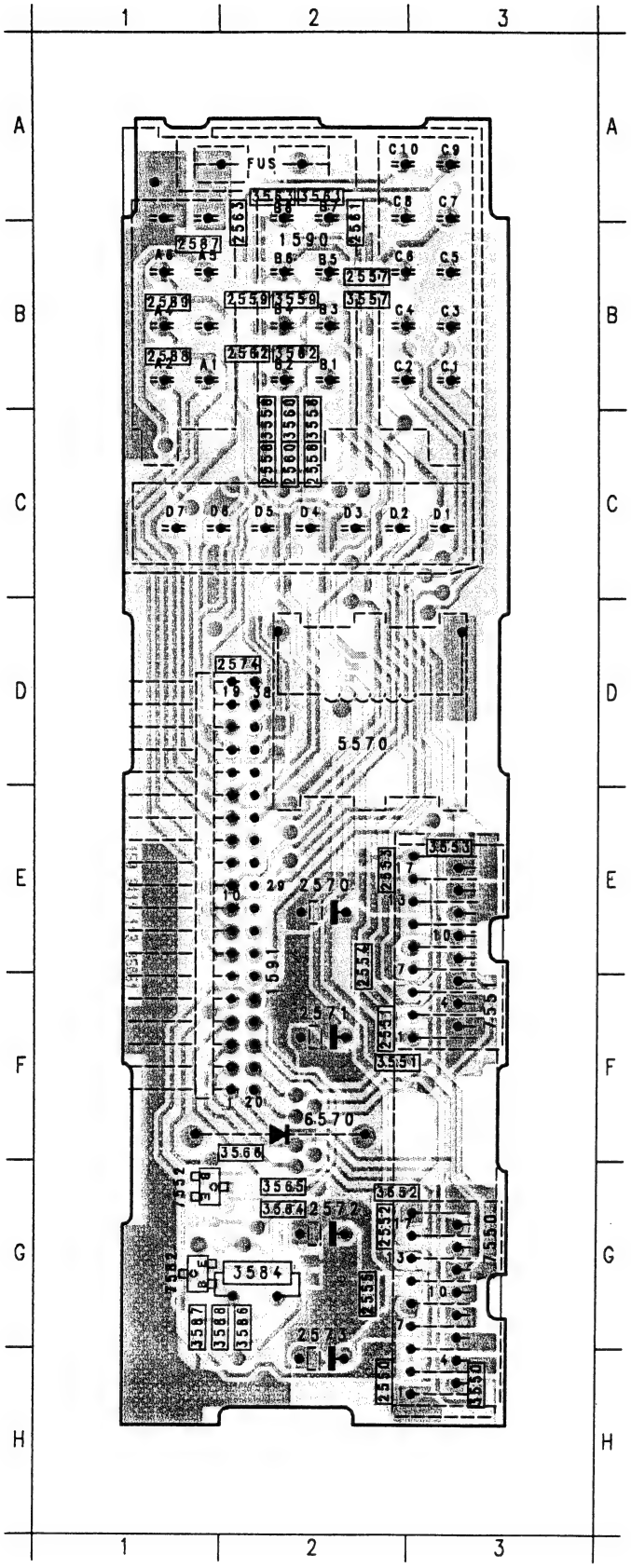
1590

NOTE : Components without value or item number are optional and not used in this version

2550	D 9
2551	H 9
2552	E 9
2553	I 9
2554	C11
2555	G11
2556	F12
2558	F12
2560	J12
2562	J12
2564	G11
2570	A12
2571	A11
2572	K14
2574	B13
2580	C 4
2587	B14
2588	C15
2589	C15
3550	D 8
3551	H 8
3552	E 8
3553	I 8
3556	E12
3558	E12
3560	I12
3562	I12
3563	K14
3564	B 8
3565	B 8
3566	B 7
3582	C 5
3585	C 4
3599	I15
5570	A13
5572	A13
6570	B12
6580	C 4
7550	D10
7551	H10
7552	C 8



1590	2B
1591	2F
2550	2G
2551	3F
2552	2G
2553	3E
2554	3G
2555	3F
2556	2C
2558	2C
2560	2B
2562	2C
2564	2F
2570	2G
2571	2F
2572	2E
2574	2D
3550	2G
3551	3F
3552	2G
3553	3E
3556	2C
3558	2C
3560	2B
3562	2C
3564	2G
3565	2G
3566	1G
5570	3D
5570	2D
5572	2D
6570	2G
7550	3G
7551	3F
7552	1G



1590	2B
1591	2E
1591	2F
2550	2H
2551	2F
2552	2G
2553	2E
2554	2E
2555	2G
2556	2C
2557	2B
2558	2C
2559	2B
2560	2C
2561	2A
2562	2B
2563	2A
2570	2E
2571	2F
2572	2G
2573	2G
2574	2D
2587	1B
2588	1B
2589	1B
3550	3H
3551	2F
3552	2G
3553	3E
3556	2C
3557	2B
3558	2C
3559	2B
3560	2C
3561	2A
3562	2B
3563	2A
3564	2G
3565	2G
3566	2F
3584	2G
3586	2G
3587	1G
3588	1G
5570	2D
6570	2F
7550	3G
7551	3F
7552	1G
7582	1G

AUDIO POWER SUPPLY

APS 150 Module 22 DC 740

CONNECTOR BLOCK

1590

1591

TO MAIN BOARD (1592)

TDA1554Q

7550

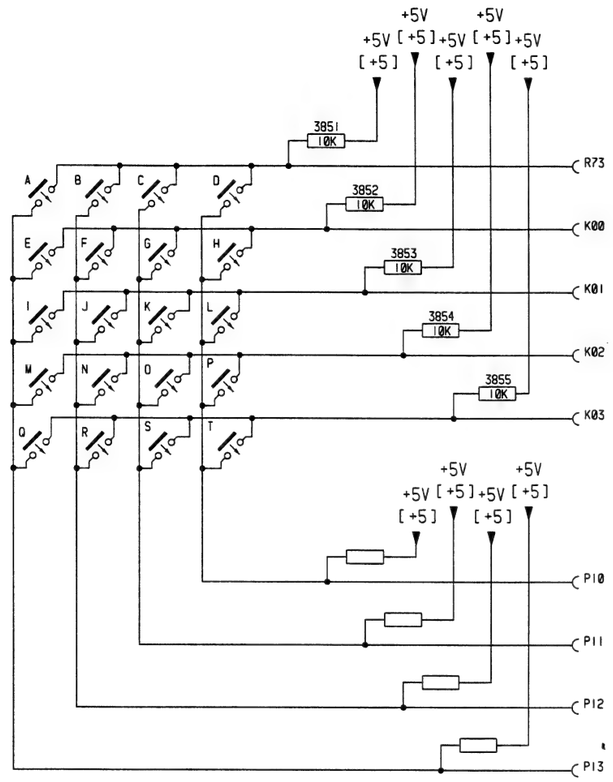
7551

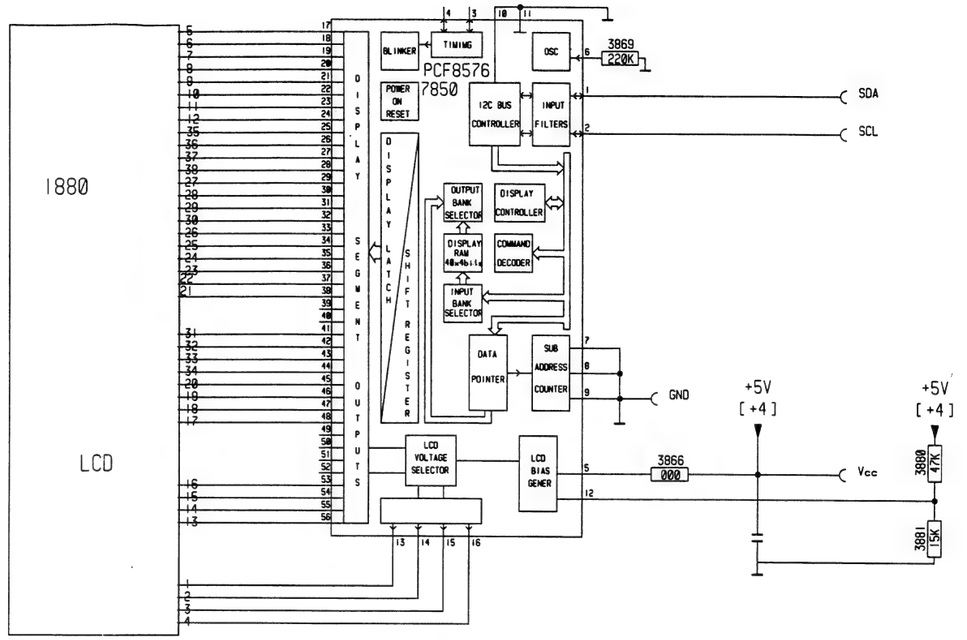
NOTE : Components without item number are alternative components not used in this version.

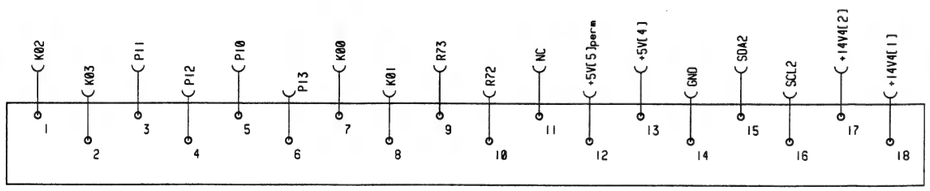
2550	D 9	3564	6k8	
2551	H 9	3565	3k9	
2552	E 9	3566	47k	
2553	I 9	3550	10k	
2554	C11	3551	10k	
2555	G11	3552	10k	
2556	F12	3553	10k	
2557	J12	3556	4R7	
2558	F12	3557	4R7	
2559	J12	3558	4R7	
2560	F12	3559	4R7	
2561	J13	3560	4R7	
2562	F12	3561	4R7	
2563	J13	3562	4R7	
2570	A12	3563	4R7	
2571	A12	3584	PTC	TS: 100 C
2572	A11	3586	3k9	
2573	A11	3587	10k	
2574	B13	3588	10k	
2587	B15	5570	100mH	
2588	C15	6570	1.5KE27	
2589	C15	7552	BC848	
3550	C 8	7582	BC858	
3551	G 8			
3552	E 8			
3553	I 8			
3556	F12			
3557	J12			
3558	F12			
3559	J12			
3560	F12			
3561	J13			
3562	F13			
3563	J13			
3564	A 9			
3565	B 9			
3566	A 8			
3584	J 5			
3586	J 5			
3587	J 4			
3588	J 4			
5570	A14			
6570	B13			
7550	F10			
7551	J10			
7552	B 9			
7582	J 4			

FRONT PART

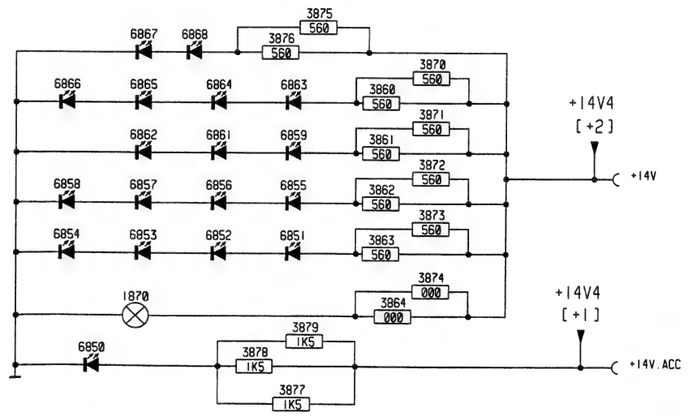
	22 DC ... 730	740
A	P6	P6/MSS
B	P1	P1
C		
D	VOL -	VOL -
E	P5/Met.	P5/Met.
F	P3	P3
G		
H	VOL +	VOL +
I	P4/Db	P4/Db
J	P2	P2
K	ON/OFF	ON/OFF
L	Tre/Fad	Tre/Fad
M	AST	AST
N	Down	Down
O	RDS/REG	RDS/REG
P	Bas/Bal	Bas/Bal
Q	Bnd	Bnd/Scn
R	UP	UP
S	Ldn/Mono	Mode/Ldn
T	TA/Mute	TA/Mute







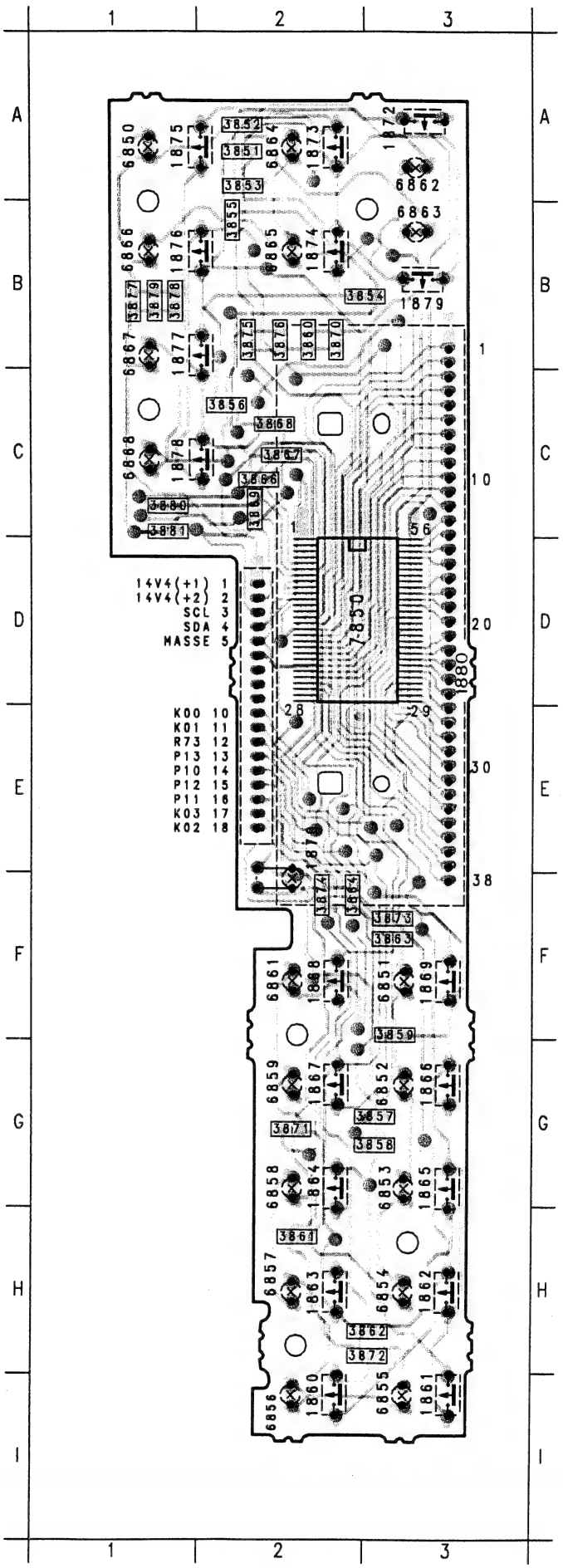
TO MAIN BOARD (1610)



NOTE: Components without value or item are alternative components not used in this version

22 DC 730
22 DC 740

	1870	I10
	1880	C 9
	2851	F14
A	3851	B 5
	3852	B 6
	3853	C 6
	3854	C 6
	3855	D 7
	3856	E 6
B	3857	F 6
	3858	F 6
	3859	G 6
	3860	H12
	3861	H12
C	3862	H12
	3863	I12
	3864	I12
	3866	E14
	3869	B13
D	3870	G13
	3871	H13
	3872	H13
	3873	I13
	3874	I13
E	3875	G12
	3876	G11
	3877	J12
	3878	J11
	3879	I12
F	3880	E16
	3881	F16
	6850	J10
	6851	I12
	6852	I11
G	6853	I10
	6854	I10
	6855	H12
	6856	H11
	6857	H10
H	6858	H10
	6859	H12
	6861	H11
	6862	H10
	6863	H12
I	6864	H11
	6865	H10
	6866	H10
	6867	G10
	6868	G11
J	7850	B12



1860 2I
1861 3I
1862 3H
1863 2H
1864 2G

1865 3G
1866 3G
1867 2G
1868 2F
1869 3F

1870 2F
1872 3A
1873 2A
1874 2B
1875 1A

1876 1B
1877 1B
1878 1C
1879 3B
1880 3D

3851 2A
3852 2A
3853 2A
3854 2B
3855 2B

3856 2C
3857 3G
3858 3G
3859 3F
3860 2B

3861 2H
3862 3H
3863 3F
3864 2F
3866 2C

3867 2C
3868 2C
3869 2C
3870 2B
3871 2G

3872 3H
3873 3F
3874 2F
3875 2B
3876 2B

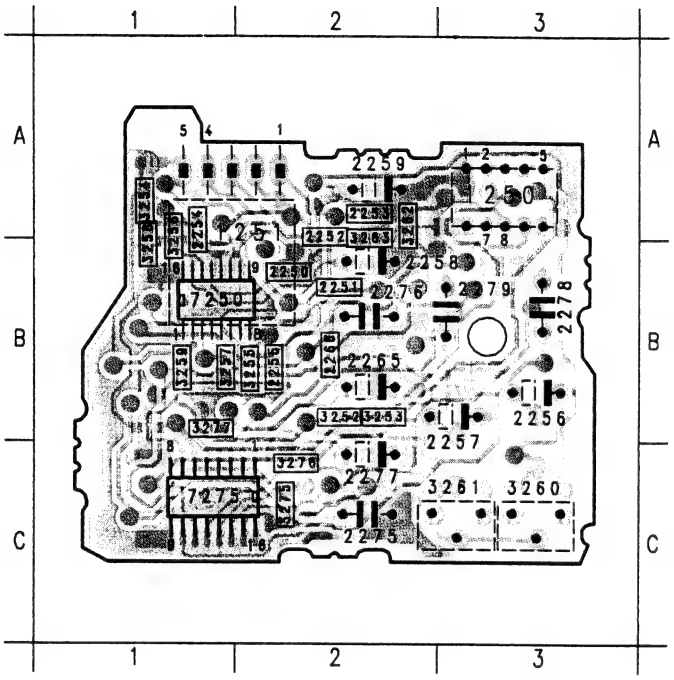
3877 1B
3878 1B
3879 1B
3880 1C
3881 1C

6850 1A
6851 3F
6852 3G
6853 3G
6854 3H

6855 3I
6856 2I
6857 2H
6858 2G
6859 2G

6861 2F
6862 3A
6863 3B
6864 2A
6865 2B

6866 1B
6867 1B
6868 1C
7850 2D



1250	3A	2254	1A	2265	2B	2279	3B	3257	1B	3263	2A
1251	2A	2255	2B	2266	2B	3252	2B	3258	1B	3275	2C
2250	2B	2256	3B	2275	2C	3253	2B	3259	1B	3276	2C
2251	2B	2257	3C	2276	2B	3254	1A	3260	3C	3277	1B
2252	2A	2258	2B	2277	2C	3255	2B	3261	3C	7250	1B
2253	2A	2259	2A	2278	3B	3256	1A	3262	2A	7275	1C

DECK PART

22 DC 730 22 DC 740

SUPPLY

V MAX: 10 V

V TYP: 8.5 V

V MIN: 7.0 V

+8V5 [+3]

L REV

L FRWD

R REV

R FRWD

TA7705

7250

7275 HA12134FP

BIAS

ATT 1

ATT 2

ATT 3

SC

DET

REC/PB

NR ON/OFF

REF

NOTE : Components without item or value are optional

not used in this version

1250 +8.5 V

1250 dolby B on/off

1250 OUT LEFT

1250 out left dolby level

1250 out right dolby level

1250 OUT RIGHT

1250 GND

1250 ME/CHR

1250 reverse

1250 mute

METAL 8.5 V / 3.2 V / 2.4 V NORMAL / 0 V — ME/CR

REV 8.5 V / 1.0 V / 0.5 V FRW / 0 V — REV/FRW

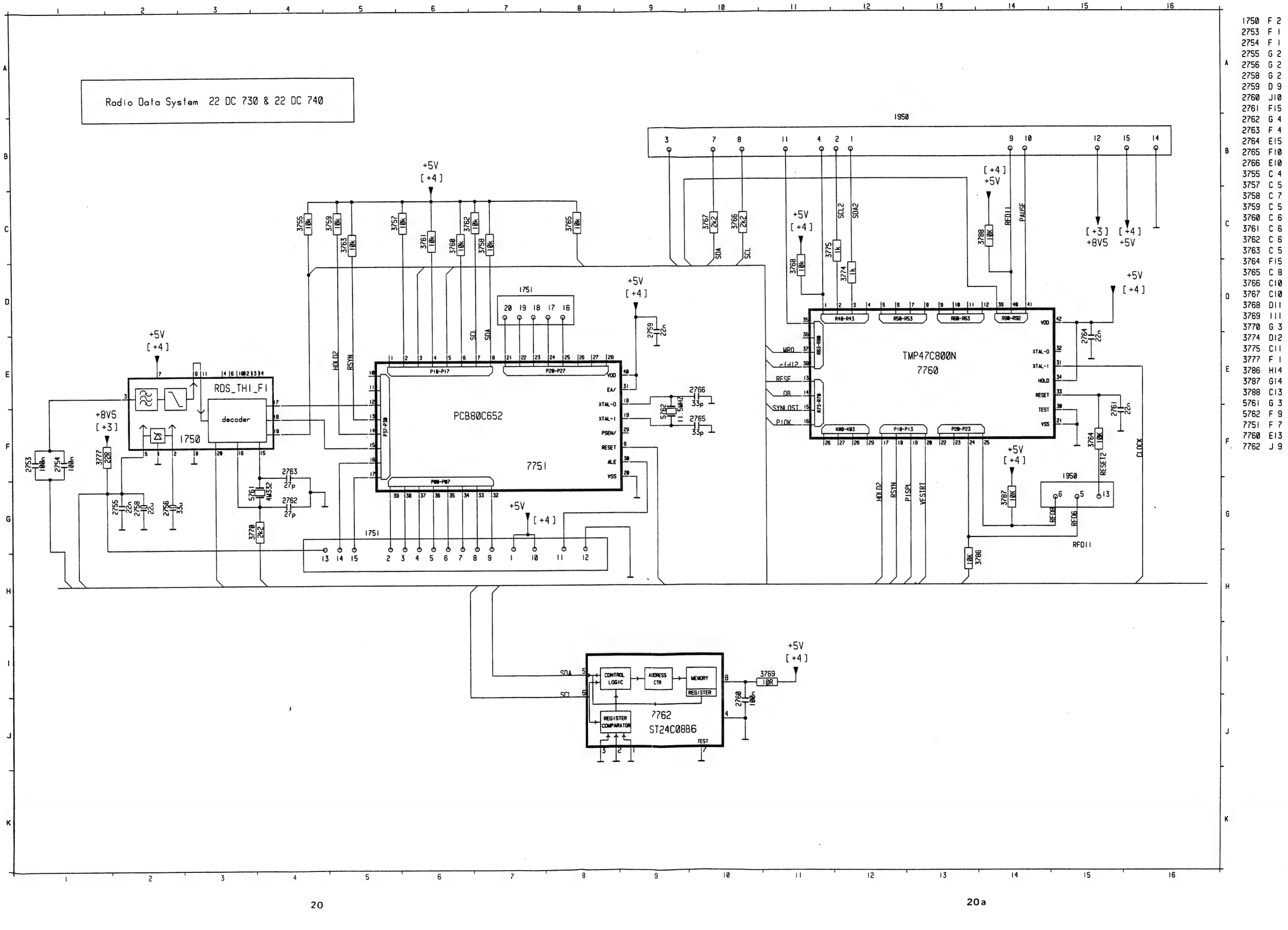
ON 8.5 V / 4.0 V / 2.5 V OFF / 0 V — K7 MUTE

ON 8.5 V / 2.5 V / 0.5 V OFF / 0 V — DOLBY

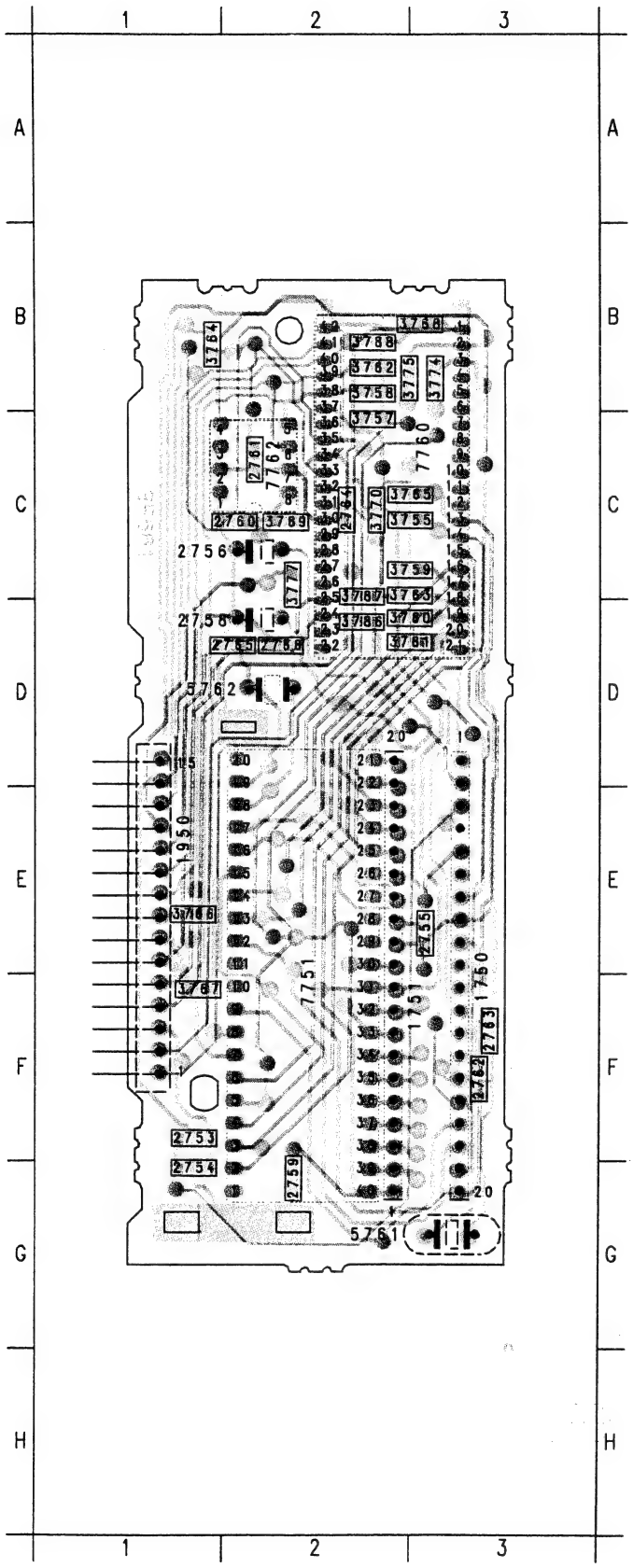
DOLBY B LEVEL
V OUT TYP : 337 mV
USING MTT 150
200 nW/m

1250	F	3
1250	F	7
1250	F	11
1250	E	11
1250	D	11
1250	C	11
1250	B	11
1250	A	11
1250	A	11
1250	F	2
1251	C	1
2250	D	2
2251	B	2
2252	E	2
2253	C	2
2254	D	2
2255	E	2
2256	B	2
2257	F	2
2258	D	2
2259	A	2
2265	A	7
2266	A	8
2275	C	10
2276	D	10
2277	F	9
2278	C	6
2279	E	6
3252	C	6
3253	B	6
3254	D	6
3255	C	6
3256	D	6
3257	C	5
3258	C	6
3259	C	6
3260	E	5
3261	B	5
3262	F	3
3263	E	2
3275	F	9
3276	B	9
3277	A	10
7250	E	4
7275	C	9

Radio Data System 22 DC 730 & 22 DC 740



	1750	F 2
	2753	F 1
	2754	F 1
	2755	G 2
A	2756	G 2
	2758	G 2
	2759	D 9
	2760	J10
	2761	F15
	2762	G 4
	2763	F 4
	2764	E15
B	2765	F10
	2766	E10
	3755	C 4
	3757	C 5
	3758	C 7
	3759	C 5
	3760	C 6
C	3761	C 6
	3762	C 6
	3763	C 5
	3764	F15
	3765	C 8
	3766	C10
D	3767	C10
	3768	D11
	3769	I11
	3770	G 3
	3774	D12
	3775	C11
	3777	F 1
E	3786	H14
	3787	G14
	3788	C13
	5761	G 3
	5762	F 9
	7751	F 7
	7760	E13
F	7762	J 9



1750 F 3
1751 F 3
1950 E 1
2753 F 1
2754 G 1

2755 E 3
2756 C 1
2758 D 1
2759 G 2
2760 C 2

2761 C 2
2762 F 3
2763 F 3
2764 C 2
2765 D 2

2766 D 2
3755 C 2
3757 C 2
3758 B 2
3759 C 2

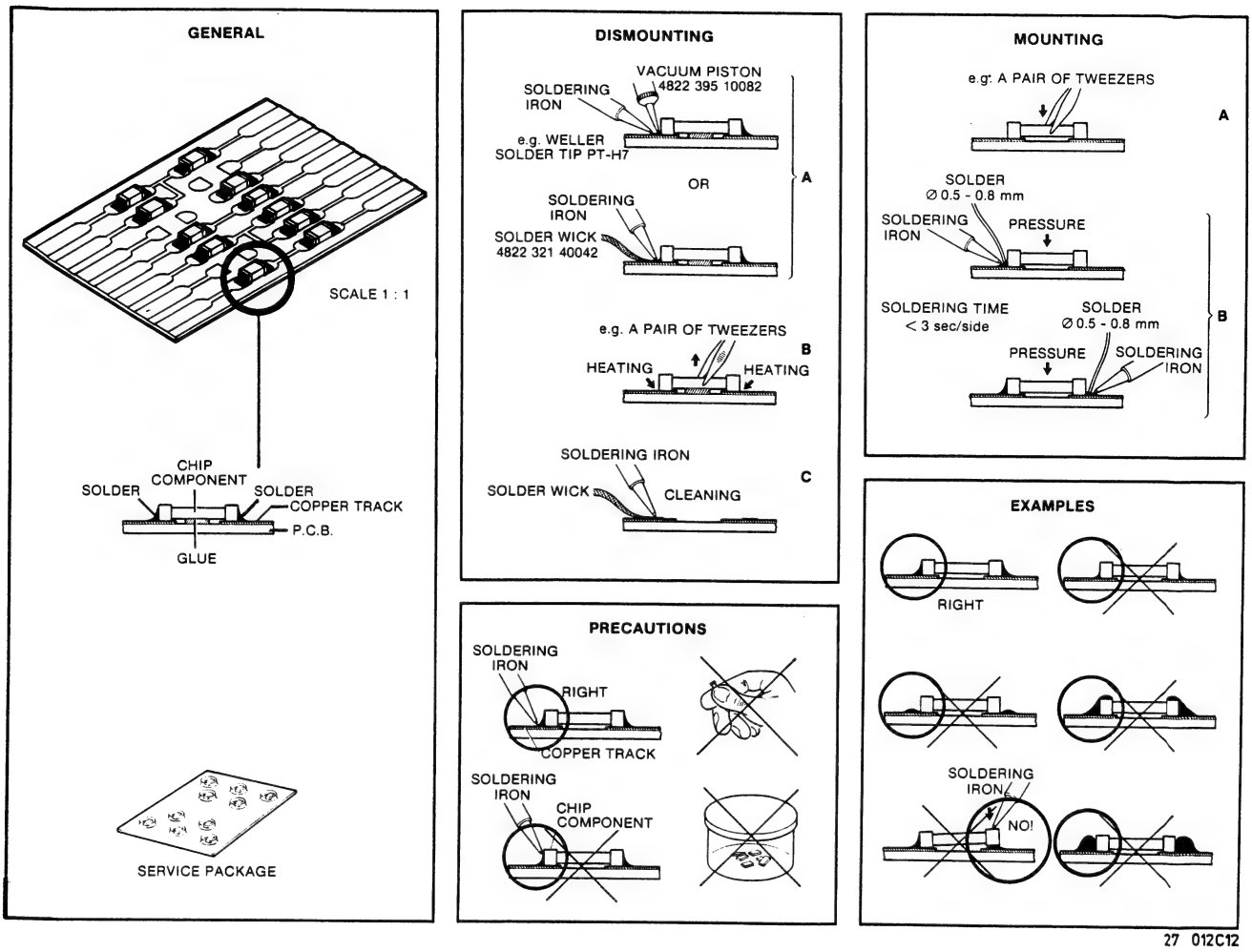
3760 D 2
3761 D 2
3762 B 2
3763 C 2
3764 B 1

3765 C 2
3766 E 1
3767 F 1
3768 B 3
3769 C 2

3770 C 2
3774 B 3
3775 B 2
3777 C 2
3786 D 2

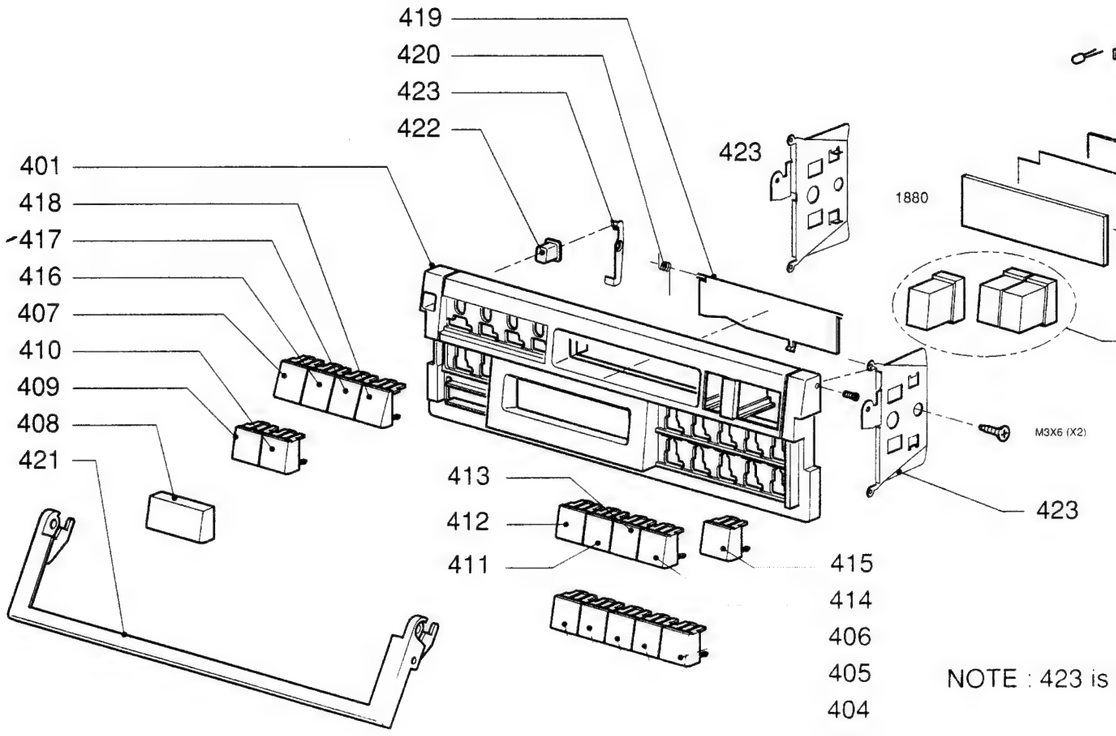
3787 C 2
3788 B 2
5761 G 2
5762 D 1
7751 F 2

7760 C 3
7762 C 2


GENERAL
SCALE 1 : 1
CHIP COMPONENT
SOLDER
SOLDER
COPPER TRACK
P.C.B.
GLUE
SERVICE PACKAGE
DISMOUNTING
VACUUM PISTON 4822 395 10082
SOLDERING IRON
e.g. WELLER SOLDER TIP PT-H7
OR
SOLDERING IRON
SOLDER WICK 4822 321 40042
A
e.g. A PAIR OF TWEEZERS
HEATING
HEATING
B
SOLDERING IRON
SOLDER WICK
CLEANING
C
MOUNTING
e.g: A PAIR OF TWEEZERS
A
SOLDER Ø 0.5 - 0.8 mm
SOLDERING IRON
PRESSURE
SOLDERING TIME < 3 sec/side
SOLDER Ø 0.5 - 0.8 mm
PRESSURE
SOLDERING IRON
B
PRECAUTIONS
SOLDERING IRON
RIGHT
COPPER TRACK
SOLDERING IRON
CHIP COMPONENT
EXAMPLES
RIGHT
SOLDERING IRON
NO!

27 012C12

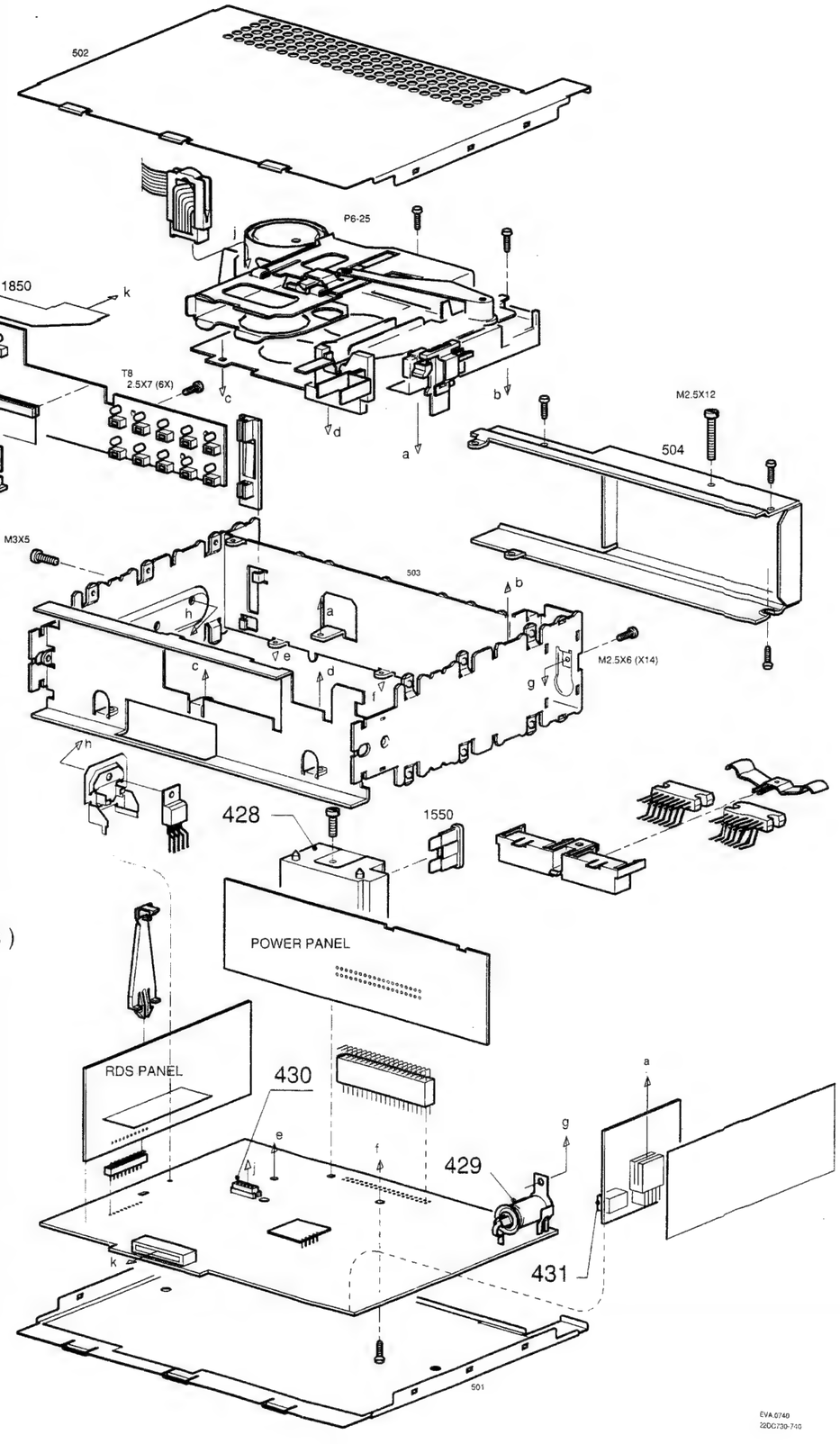
22 DC 730 & 22 DC 740



NOTE : 423 is an ASSY (3 parts)

401	4822 459 50667 £	409	4822 413 31678 £	418	4822 410 61694
401	4822 459 50666 #	409	4822 410 61312 #	419	4822 443 41008 £
402	4822 410 61714 £	410	4822 413 31679 £	419	4822 443 63551 #
402	4822 410 61691 #	410	4822 410 61313 #	420	4822 492 71033
403	4822 410 61712 £	411	4822 410 61314	421	4822 498 40575
403	4822 410 61701 #	412	4822 410 61315	422	4822 410 61306
404	4822 410 61687	413	4822 410 61684	423	4822 310 31917
405	4822 410 61688	414	4822 410 61685	425	4822 410 61695
406	4822 410 61713 £	415	4822 410 61686	428	4822 290 61018 £
406	4822 410 61689 #	416	4822 410 61692	428	4822 290 61031 #
407	4822 410 61324	417	4822 410 61715 £	429	4822 267 30883
408	4822 410 61319	417	4822 410 61693 #	430	4822 267 50872
				431	4822 267 41008

LEGEND : £ 730 ONLY , # 740 ONLY



Miscellaneous		
1100	4822 210 10305	FM TUNER
1550	4822 071 21003	FUSE10A #
1550	4822 070 35002	FUSE 5A £
1750	4822 214 51875	THICK FILM RDS
1850	4822 320 50224	FOIL FLEX
1860	4822 276 13103	SWITCH
1861	4822 276 13103	SWITCH
1862	4822 276 13103	SWITCH
1863	4822 276 13103	SWITCH
1864	4822 276 13103	SWITCH
1865	4822 276 13103	SWITCH
1866	4822 276 13103	SWITCH
1867	4822 276 13103	SWITCH
1868	4822 276 13103	SWITCH
1869	4822 276 13103	SWITCH
1870	4822 134 40831	14V.100MA
1872	4822 276 13103	SWITCH
1873	4822 276 13103	SWITCH
1874	4822 276 13103	SWITCH
1875	4822 276 13103	SWITCH
1876	4822 276 13103	SWITCH
1877	4822 276 13103	SWITCH
1878	4822 276 13103	SWITCH
1879	4822 276 13103	SWITCH
1880	4822 130 90992	DISPLAY
⊣⊢		
2000	4822 051 20008	CHIP JUMPER
2001	4822 051 20008	CHIP JUMPER
2002	4822 051 20008	CHIP JUMPER
2003	4822 051 20008	CHIP JUMPER
2050	5322 122 31647	1nF 10% X7R
2051	4822 126 10205	6pF 5% NP0
2052	5322 122 32448	10pF 5% NP0
2053	4822 122 33215	33pF 5% NP0
2054	4822 122 33514	68pF 5% NP0
2055	4822 122 33515	82pF 5% NP0
2056	4822 122 31961	68pF 5% NP0
2057	4822 122 33177	10nF 10% X7R
2058	4822 122 33496	100nF 10% X7R
2059	4822 124 23624	47µF 20% 16V
2060	4822 122 33216	270pF 5% NP0
2061	4822 122 33555	22nF 10% X7R
2062	4822 122 33216	270pF 5% NP0
2063	4822 124 41795	1µF 20% 50V
2064	4822 124 23624	47µF 20% 16V
2065	4822 122 33496	100nF 10% X7R
2066	4822 122 33213	22pF 5% NP0
2067	4822 122 33496	100nF 10% X7R
2068	4822 124 23624	47µF 20% 16V
2069	4822 122 33221	5.6nF 10% X7R
2070	4822 122 33837	1nF 10% X7R
2072	4822 122 33177	10nF 10% X7R
2074	4822 122 33177	10nF 10% X7R
2075	4822 122 33496	100nF 10% X7R
2076	4822 122 33496	100nF 10% X7R
2100	4822 122 33555	22nF 10% X7R
2101	4822 122 33177	10nF 10% X7R
2102	4822 122 33177	10nF 10% X7R
2150	4822 122 33496	100nF 10% X7R
2151	4822 122 32542	47nF 10% X7R
2152	4822 122 32542	47nF 10% X7R

⊣⊢		
2153	4822 122 33515	82pF 5% NP0
2154	4822 122 33555	22nF 10% X7R
2155	4822 122 33496	100nF 10% X7R
2156	4822 122 32542	47nF 10% X7R
2157	4822 124 23624	47µF 20% 16V
2158	4822 122 33176	2.7nF 10% X7R
2159	4822 122 32597	6.8nF 10% X7R
2160	4822 124 40244	2.2µF 20% 50V
2161	4822 122 33181	150pF 5% N220
2163	4822 122 33514	68pF 5% NP0
2164	4822 122 33498	2.7nF 10% X7R
2180	4822 122 33555	22nF 10% X7R
2182	4822 122 32891	68nF 10% X7R
2183	4822 122 32916	220nF 20% X7R
2184	4822 122 33555	22nF 10% X7R
2185	4822 124 23624	47µF 20% 16V
2186	4822 124 23624	47µF 20% 16V
2187	4822 122 33514	68pF 5% NP0
2188	4822 122 33555	22nF 10% X7R
2190	4822 122 32542	47nF 10% X7R
2191	4822 122 32597	6.8nF 10% X7R
2193	4822 122 32916	220nF 20% X7R
2200	4822 122 32916	220nF 20% X7R
2201	4822 122 33555	22nF 10% X7R
2202	4822 122 33496	100nF 10% X7R
2203	4822 122 32142	270pF 5% NP0
2204	4822 122 33219	1.8nF 10% X7R
2205	5322 122 32268	470pF 5% NP0
2206	4822 122 32542	47nF 10% X7R
2207	5322 122 31866	6.8nF 10% X7R
2208	5322 122 31866	6.8nF 10% X7R
2209	4822 122 33496	100nF 10% X7R
2210	4822 124 23624	47µF 20% 16V
2211	4822 124 41796	22µF 20% 16V
2212	4822 122 31766	120pF 5% NP0
2213	4822 122 33496	100nF 10% X7R
2214	4822 122 32916	220nF 20% X7R
2215	4822 122 33216	270pF 5% NP0
2250	4822 122 33173	560pF 10% X7R
2251	4822 122 33173	560pF 10% X7R
2252	4822 122 33173	560pF 10% X7R
2253	4822 122 33173	560pF 10% X7R
2254	4822 122 33221	5.6nF 10% X7R
2255	4822 122 33221	5.6nF 10% X7R
2256	4822 124 40272	33µF 20% 16V
2257	4822 124 40272	33µF 20% 16V
2258	4822 124 40272	33µF 20% 16V
2259	4822 124 22403	10µF 20% 16V
2265	4822 124 23432	100µF 20% 10V
2266	4822 122 33555	22nF 10% X7R
2275	4822 121 42408	220nF 10% 63V
2276	4822 121 42408	220nF 10% 63V
2277	4822 124 41795	1µF 20% 50V
2278	4822 121 42408	220nF 10% 63V
2279	4822 121 42408	220nF 10% 63V
2350	4822 124 40244	2.2µF 20% 50V #
2351	4822 124 40244	2.2µF 20% 50V #
2352	4822 122 33837	1nF 10% X7R #
2353	4822 122 33837	1nF 10% X7R #
2354	4822 124 23624	47µF 20% 16V #
2355	4822 124 22403	10µF 20% 16V #

⊣⊢		
2480	5322 124 41379	2.2µF 20% 50V
2481	5322 124 41379	2.2µF 20% 50V
2482	5322 124 41379	2.2µF 20% 50V
2483	5322 124 41379	2.2µF 20% 50V
2501	4822 122 33555	22nF 10% X7R
2502	4822 122 33555	22nF 10% X7R
2503	4822 122 33555	22nF 10% X7R
2504	4822 122 33555	22nF 10% X7R
2510	5322 121 42661	330nF 10% 63V
2511	5322 121 42661	330nF 10% 63V
2512	4822 121 51356	180nF 10% 63V
2513	4822 121 51356	180nF 10% 63V
2514	4822 122 33221	5.6nF 10% X7R
2515	4822 124 41796	22µF 20% 16V
2516	4822 124 23432	100µF 20% 10V
2522	4822 121 51356	180nF 10% 63V
2523	4822 121 51356	180nF 10% 63V
2524	4822 122 33221	5.6nF 10% X7R
2525	4822 122 32916	220nF 20% X7R
2526	4822 122 32916	220nF 20% X7R
2527	4822 122 32916	220nF 20% X7R
2528	4822 122 32916	220nF 20% X7R
2550	5322 122 32268	470pF 5% NP0
2551	5322 122 32268	470pF 5% NP0
2552	5322 122 32268	470pF 5% NP0
2553	5322 122 32268	470pF 5% NP0
2554	4822 122 33496	100nF 10% X7R #
2554	4822 122 32892	100nF 20% X7R £
2555	4822 122 33496	100nF 10% X7R #
2555	4822 122 32892	100nF 20% X7R £
2556	4822 122 33339	4.7nF 10% X7R
2557	4822 122 33339	4.7nF 10% X7R #
2558	4822 122 33339	4.7nF 10% X7R
2559	4822 122 33339	4.7nF 10% X7R #
2560	4822 122 33339	4.7nF 10% X7R
2561	4822 122 33339	4.7nF 10% X7R #
2562	4822 122 33339	4.7nF 10% X7R
2563	4822 122 33339	4.7nF 10% X7R #
2564	4822 124 41554	220µF 20% 10V £
2570	4822 124 40201	1000µF 20% 16V
2571	4822 124 40201	1000µF 20% 16V
2572	4822 124 40201	1000µF 20% 16V
2573	4822 124 40201	1000µF 20% 16V #
2574	4822 122 33555	22nF 10% X7R
2587	5322 122 32531	100pF 5% NP0 #
2588	5322 122 32531	100pF 5% NP0 #
2589	5322 122 32531	100pF 5% NP0 #
2633	4822 122 32892	100nF 20% X7R
2634	4822 124 23432	100µF 20% 10V
2635	4822 124 23624	47µF 20% 16V
2636	4822 124 40244	2.2µF 20% 50V
2637	4822 124 40272	33µF 20% 16V
2640	4822 124 23624	47µF 20% 16V
2641	4822 124 41796	22µF 20% 16V
2660	4822 122 33555	22nF 10% X7R
2661	4822 122 33283	150pF 5% NP0
2662	4822 122 33283	150pF 5% NP0
2670	4822 122 33177	10nF 10% X7R
2690	4822 122 33555	22nF 10% X7R
2725	4822 122 32892	100nF 20% X7R
2727	4822 124 40244	2.2µF 20% 50V

⊣⊢		
2728	4822 122 32892	100nF 20% X7R
2729	4822 122 33837	1nF 10% X7R
2730	4822 122 33177	10nF 10% X7R
2734	4822 122 33837	1nF 10% X7R
2753	4822 122 32892	100nF 20% X7R
2754	4822 122 32892	100nF 20% X7R
2755	4822 122 33555	22nF 10% X7R
2756	4822 124 40272	33µF 20% 16V
2758	4822 124 41796	22µF 20% 16V
2759	4822 122 33555	22nF 10% X7R
2760	4822 122 32892	100nF 20% X7R
2761	4822 122 33555	22nF 10% X7R
2762	4822 122 33214	27pF 5% NP0
2763	4822 122 33214	27pF 5% NP0
2764	4822 122 33555	22nF 10% X7R
2765	4822 122 33215	33pF 5% NP0
2766	4822 122 33215	33pF 5% NP0
2770	4822 122 33177	10nF 10% X7R
2820	4822 122 33837	1nF 10% X7R #
2840	4822 122 32892	100nF 20% X7R
⊣⊢		
3002	4822 051 20008	CHIP JUMPER
3003	4822 051 20008	CHIP JUMPER
3004	4822 051 20008	CHIP JUMPER
3011	4822 051 20008	CHIP JUMPER
3012	4822 051 20008	CHIP JUMPER
3050	4822 051 20561	560Ω 5% 0.1W
3051	4822 051 20471	470Ω 5% 0.1W
3052	4822 051 20184	180K 5% 0.1W
3053	4822 051 20472	4K70 5% 0.1W
3054	4822 051 20102	1K00 5% 0.1W
3055	4822 051 20102	1K00 5% 0.1W
3056	4822 051 20393	39K0 5% 0.1W
3058	4822 051 20474	470K 5% 0.1W
3060	4822 051 20103	10K0 5% 0.1W
3065	4822 051 20109	10Ω0 5% 0.1W
3100	4822 051 20103	10K0 5% 0.1W
3101	4822 051 20109	10Ω0 5% 0.1W
3102	4822 051 20471	470Ω 5% 0.1W
3111	4822 051 20569	56Ω0 5% 0.1W
3115	4822 051 20569	56Ω0 5% 0.1W
3116	4822 051 20102	1K00 5% 0.1W
3125	4822 051 20102	1K00 5% 0.1W
3150	4822 051 20102	1K00 5% 0.1W
3151	4822 051 20331	330Ω 5% 0.1W
3153	4822 051 20332	3K30 5% 0.1W
3154	4822 051 20109	10Ω0 5% 0.1W
3155	4822 100 20166	TRIM LIN 10K 30%
3156	4822 051 20222	2K20 5% 0.1W
3157	4822 100 20166	TRIM LIN 10K 30%
3158	4822 051 20109	10Ω0 5% 0.1W
3159	4822 051 20471	470Ω 5% 0.1W
3161	4822 051 20473	47K0 5% 0.1W
3162	4822 051 20472	4K70 5% 0.1W
3163	4822 051 20271	270Ω 5% 0.1W
3164	4822 051 20273	27K0 5% 0.1W
3165	4822 051 20562	5K60 5% 0.1W
3166	4822 051 20008	CHIP JUMPER
3167	4822 051 20103	10K0 5% 0.1W
3169	4822 051 20331	330Ω 5% 0.1W
3180	4822 051 20103	10K0 5% 0.1W

CS 58 238

3181	4822 051 20103	10K0 5% 0.1W	3487	4822 051 20102	1K00 5% 0.1W
3182	4822 051 20331	330Ω 5% 0.1W	3488	4822 051 20102	1K00 5% 0.1W
3183	4822 051 20475	4M70 5% 0.1W	3489	4822 051 20104	100K 5% 0.1W
3184	4822 051 20562	5K60 5% 0.1W	3490	4822 051 20473	47K0 5% 0.1W
3185	4822 051 20103	10K0 5% 0.1W	3501	4822 051 20153	15K0 5% 0.1W
3190	4822 051 20332	3K30 5% 0.1W	3502	4822 051 20153	15K0 5% 0.1W
3200	4822 051 20273	27K0 5% 0.1W	3503	4822 051 10183	18K0 5% 0.1W
3201	4822 051 20104	100K 5% 0.1W	3504	4822 051 10183	18K0 5% 0.1W
3202	4822 051 20272	2K70 5% 0.1W	3505	4822 051 20824	820K 5% 0.1W
3203	4822 051 20474	470K 5% 0.1W	3506	4822 051 20824	820K 5% 0.1W
3204	4822 051 20473	47K0 5% 0.1W	3515	4822 051 20822	8K20 5% 0.1W
3205	4822 051 20333	33K0 5% 0.1W	3516	4822 051 20822	8K20 5% 0.1W
3206	4822 051 20333	33K0 5% 0.1W	3550	4822 051 20102	1K00 5% 0.1W #
3207	4822 051 20474	470K 5% 0.1W	3550	4822 051 20103	10K0 5% 0.1W £
3208	4822 051 20104	100K 5% 0.1W	3551	4822 051 20102	1K00 5% 0.1W #
3209	4822 100 11163	TRIM LIN 100K 30%	3551	4822 051 20103	10K0 5% 0.1W £
3210	4822 051 20471	470Ω 5% 0.1W	3552	4822 051 20102	1K00 5% 0.1W #
3211	4822 051 20104	100K 5% 0.1W	3552	4822 051 20103	10K0 5% 0.1W £
3212	4822 051 20103	10K0 5% 0.1W	3553	4822 051 20102	1K00 5% 0.1W #
3213	4822 051 20122	1K20 5% 0.1W	3553	4822 051 20103	10K0 5% 0.1W £
3214	4822 051 20109	10Ω0 5% 0.1W	3556	4822 051 20478	4Ω70 5% 0.1W
3215	4822 051 20008	CHIP JUMPER	3557	4822 051 20478	4Ω70 5% 0.1W #
3216	4822 051 20472	4K70 5% 0.1W	3558	4822 051 20478	4Ω70 5% 0.1W
3217	4822 051 20103	10K0 5% 0.1W	3559	4822 051 20478	4Ω70 5% 0.1W #
3218	4822 051 20472	4K70 5% 0.1W	3560	4822 051 20478	4Ω70 5% 0.1W
3219	4822 051 20472	4K70 5% 0.1W	3561	4822 051 20478	4Ω70 5% 0.1W #
3220	4822 051 20104	100K 5% 0.1W	3562	4822 051 20478	4Ω70 5% 0.1W
3221	4822 051 20683	68K0 5% 0.1W	3563	4822 051 20478	4Ω70 5% 0.1W #
3252	4822 051 20681	6K80 5% 0.1W	3564	4822 051 20682	6K80 5% 0.1W
3253	4822 051 20681	6K80 5% 0.1W	3565	4822 051 20392	3K90 5% 0.1W
3254	4822 051 20474	470K 5% 0.1W	3566	4822 051 20473	47K0 5% 0.1W
3255	4822 051 20474	470K 5% 0.1W	3584	4822 116 40218	PTC #
3256	4822 051 20473	47K0 5% 0.1W	3586	4822 051 20392	3K90 5% 0.1W
3257	4822 051 20473	47K0 5% 0.1W	3587	4822 051 20103	10K0 5% 0.1W #
3258	4822 051 20333	33K0 5% 0.1W	3588	4822 051 20103	10K0 5% 0.1W #
3259	4822 051 20333	33K0 5% 0.1W	3631	4822 051 20103	10K0 5% 0.1W
3260	5322 100 11541	TRIM LIN 2.2K 30%	3632	4822 051 20271	270Ω 5% 0.1W
3261	5322 100 11541	TRIM LIN 2.2K 30%	3633	4822 051 20153	15K0 5% 0.1W
3262	4822 051 20473	47K0 5% 0.1W	3634	4822 051 20104	100K 5% 0.1W
3263	4822 051 20473	47K0 5% 0.1W	3635	4822 051 20104	100K 5% 0.1W
3275	4822 051 10183	18K0 5% 0.1W	3636	4822 051 20273	27K0 5% 0.1W
3276	4822 051 20223	22K0 5% 0.1W	3637	4822 051 20472	4K70 5% 0.1W
3277	4822 051 20223	22K0 5% 0.1W	3640	4822 051 20569	56Ω0 5% 0.1W
3354	4822 051 20393	39K0 5% 0.1W #	3641	4822 051 20271	270Ω 5% 0.1W
3355	4822 051 20393	39K0 5% 0.1W #	3649	4822 116 40216	POSISTOR 4Ω7
3356	4822 051 20393	39K0 5% 0.1W #	3661	4822 051 20473	47K0 5% 0.1W
3357	4822 051 20393	39K0 5% 0.1W #	3662	4822 051 20103	10K0 5% 0.1W
3358	4822 051 20569	56Ω0 5% 0.1W #	3663	4822 051 20103	10K0 5% 0.1W
3359	4822 051 20569	56Ω0 5% 0.1W #	3673	4822 051 20184	180K 5% 0.1W
3360	4822 051 20273	27K0 5% 0.1W #	3674	4822 051 20184	180K 5% 0.1W
3362	4822 051 20102	1K00 5% 0.1W	3675	4822 051 20103	10K0 5% 0.1W
3363	4822 051 20102	1K00 5% 0.1W	3676	4822 051 20104	100K 5% 0.1W
3364	4822 051 20471	470Ω 5% 0.1W #	3677	4822 051 20104	100K 5% 0.1W
3365	4822 051 20471	470Ω 5% 0.1W #	3680	4822 051 20473	47K0 5% 0.1W
3366	4822 051 20109	10Ω0 5% 0.1W	3685	4822 051 20103	10K0 5% 0.1W
3480	4822 051 20153	15K0 5% 0.1W	3688	4822 051 20103	10K0 5% 0.1W
3481	4822 051 20153	15K0 5% 0.1W	3689	4822 051 20473	47K0 5% 0.1W
3482	4822 051 20153	15K0 5% 0.1W	3690	4822 051 20222	2K20 5% 0.1W
3483	4822 051 20153	15K0 5% 0.1W	3691	4822 051 20473	47K0 5% 0.1W
3485	4822 051 20102	1K00 5% 0.1W	3692	4822 051 20103	10K0 5% 0.1W
3486	4822 051 20102	1K00 5% 0.1W	3693	4822 051 20473	47K0 5% 0.1W

3694	4822 051 20473	47K0 5% 0.1W	3871	4822 051 20681	6K80 5% 0.1W
3695	4822 051 20473	47K0 5% 0.1W	3872	4822 051 20561	560W 5% 0.1W
3696	4822 051 20473	47K0 5% 0.1W	3873	4822 051 20561	560W 5% 0.1W
3697	4822 051 20473	47K0 5% 0.1W	3874	4822 051 20008	CHIP JUMPER
3698	4822 051 20473	47K0 5% 0.1W	3875	4822 051 20102	1K00 5% 0.1W
3700	4822 051 20122	1K20 5% 0.1W #	3876	4822 051 20102	1K00 5% 0.1W
3702	4822 051 20102	1K00 5% 0.1W	3877	4822 051 20152	1.5K0 5% 0.1W
3703	4822 051 20103	10K0 5% 0.1W	3878	4822 051 20152	1.5K0 5% 0.1W
3704	4822 051 20473	47K0 5% 0.1W	3879	4822 051 20152	1.5K0 5% 0.1W
3705	4822 051 20473	47K0 5% 0.1W	3880	4822 051 20473	47K0 5% 0.1W
3706	4822 051 20473	47K0 5% 0.1W	3881	4822 051 20153	15K0 5% 0.1W
3728	4822 051 20474	470K 5% 0.1W			
3731	4822 051 20104	100K 5% 0.1W			
3739	4822 051 20472	4K70 5% 0.1W			
3755	4822 051 20103	10K0 5% 0.1W	5050	4822 152 20677	10µH 10%
3757	4822 051 20103	10K0 5% 0.1W	5051	4822 152 20677	10µH 10%
3758	4822 051 20103	10K0 5% 0.1W	5052	4822 157 60122	4.7µH 10%
3759	4822 051 20103	10K0 5% 0.1W	5053	4822 152 20677	10µH 10%
3760	4822 051 20103	10K0 5% 0.1W	5054	4822 157 50975	1000 µH 10%
3761	4822 051 20103	10K0 5% 0.1W	5055	4822 152 20682	6.15 µH 6%
3762	4822 051 20103	10K0 5% 0.1W	5056	4822 152 20678	33 µH 10%
3763	4822 051 20103	10K0 5% 0.1W	5057	4822 152 20683	28 µH 6%
3764	4822 051 20103	10K0 5% 0.1W	5058	4822 157 52983	22 µH 10%
3765	4822 051 20103	10K0 5% 0.1W	5059	4822 157 52983	22 µH 10%
3766	4822 051 20222	2K20 5% 0.1W	5070	4822 242 72076	10.7 MHz
3767	4822 051 20222	2K20 5% 0.1W	5071	4822 242 72076	10.7 MHz
3768	4822 051 20103	10K0 5% 0.1W	5072	4822 242 71883	SFE 10.7MS3-D
3769	4822 051 20109	10Ω0 5% 0.1W	5073	4822 242 71883	SFE 10.7MS3-D
3770	4822 051 20222	2K20 5% 0.1W	5117	4822 242 80258	SFE10.7MS2-A-TF21
3774	4822 051 20102	1K00 5% 0.1W	5150	4822 156 11081	1.47 µH 6%
3775	4822 051 20102	1K00 5% 0.1W	5180	4822 157 50975	1000 µH 10%
3777	4822 051 20229	22Ω0 5% 0.1W	5190	4822 242 71874	4.000 MHz
3786	4822 051 20103	10K0 5% 0.1W	5200	4822 242 81117	CER. RES. 18.95 KHz
3787	4822 051 20103	10K0 5% 0.1W	5570	4822 157 63311	CHOKE COIL #
3788	4822 051 20103	10K0 5% 0.1W	5570	4822 157 63285	CHOKE COIL £
3820	4822 051 20103	10K0 5% 0.1W #	5660	4822 157 53338	1000 µH 10%
3821	4822 116 40221	POSISTOR 8Ω2 #	5665	4822 242 72527	CER. RES. 4.000 MHz
3822	4822 051 20102	1K00 5% 0.1W #	5761	4822 242 80259	XTL .RES. 4.332 MHz
3825	4822 051 20103	10K0 5% 0.1W #	5762	4822 242 81118	CER. RES. 11.5 MHz
3826	4822 116 40221	POSISTOR 8Ω2 #			
3827	4822 051 20102	1K00 5% 0.1W #	6002	4822 252 60127	SURGE PROT. DSP201
3830	4822 051 20222	2K20 5% 0.1W #	6051	4822 130 82596	BB419
3831	4822 051 20473	47K0 5% 0.1W #	6052	5322 130 34337	BAV99
3835	4822 051 20104	100K 5% 0.1W #	6100	4822 130 30621	1N4148
3851	4822 051 20273	27K0 5% 0.1W	6150	5322 130 31928	BAS16
3852	4822 051 20273	27K0 5% 0.1W	6201	5322 130 31928	BAS16
3853	4822 051 20273	27K0 5% 0.1W	6350	4822 130 30621	1N4148
3854	4822 051 20273	27K0 5% 0.1W	6370	5322 130 34331	BAV70
3855	4822 051 20273	27K0 5% 0.1W	6570	4822 130 82465	1.5kE27P #
3856	4822 051 20273	27K0 5% 0.1W	6570	5322 130 30684	1N4002 £
3857	4822 051 20273	27K0 5% 0.1W	6610	5322 130 34331	BAV70
3858	4822 051 20273	27K0 5% 0.1W	6615	4822 130 34233	BZX79-C5V1
3859	4822 051 20273	27K0 5% 0.1W	6616	5322 130 30684	1N4002
3860	4822 051 20561	560W 5% 0.1W	6661	4822 130 34233	BZX79-C5V1
3861	4822 051 20681	6K80 5% 0.1W	6700	4822 130 34174	BZX79-C4V7
3862	4822 051 20561	560W 5% 0.1W	6701	4822 130 30594	BAV10 #
3863	4822 051 20561	560W 5% 0.1W	6826	4822 130 32904	BZV85-C5V6 #
3864	4822 051 20008	CHIP JUMPER	6827	4822 130 32904	BZV85-C5V6 #
3866	4822 051 20152	1.5K0 5% 0.1W	6850	4822 130 82595	LED TLHO4400AS12Z
3869	4822 051 20224	220k 5% 0.1W	6851	4822 130 82595	LED TLHO4400AS12Z
3870	4822 051 20561	560W 5% 0.1W	6852	4822 130 82595	LED TLHO4400AS12Z

6853	4822 130 82595	LED TLHO4400AS12Z
6854	4822 130 82595	LED TLHO4400AS12Z
6855	4822 130 82595	LED TLHO4400AS12Z
6856	4822 130 82595	LED TLHO4400AS12Z
6857	4822 130 82595	LED TLHO4400AS12Z
6858	4822 130 82595	LED TLHO4400AS12Z
6859	4822 130 82595	LED TLHO4400AS12Z
6861	4822 130 82595	LED TLHO4400AS12Z
6862	4822 130 82595	LED TLHO4400AS12Z
6863	4822 130 82595	LED TLHO4400AS12Z
6864	4822 130 82595	LED TLHO4400AS12Z
6865	4822 130 82595	LED TLHO4400AS12Z
6866	4822 130 82595	LED TLHO4400AS12Z
6867	4822 130 82595	LED TLHO4400AS12Z
6868	4822 130 82595	LED TLHO4400AS12Z

7050	4822 209 72247	TEA6200/V2
7052	5322 130 41983	BC858B
7150	4822 209 73507	TEA6100/N3
7152	4822 130 60511	BC847B
7180	4822 209 30858	TSA6057/C1
7200	4822 130 60511	BC847B
7201	4822 130 60511	BC847B
7202	5322 130 41983	BC858B
7210	4822 209 30859	TDA1591/V3
7250	4822 209 63939	TA7705F
7275	4822 209 30856	HA12134F
7350	4822 130 42353	BFS19
7351	4822 130 42353	BFS19
7370	4822 209 10263	HEF4052BP
7480	4822 130 60511	BC847B
7481	4822 130 60511	BC847B
7482	4822 130 60511	BC847B
7483	4822 130 60511	BC847B
7489	4822 130 60511	BC847B
7520	4822 209 72892	TEA6310T/V5
7550	4822 209 30912	TDA1554Q/N2#
7550	4822 209 72894	TDA1516BQ/N2 £
7551	4822 209 30912	TDA1554Q/N2 #
7551	4822 209 72894	TDA1516BQ/N2 £
7552	5322 130 41982	BC848B
7582	5322 130 41983	BC858B #
7630	4822 209 63938	L4918
7631	4822 209 72252	L4904A
7632	4822 130 62651	ON4414
7633	4822 130 60511	BC847B
7635	4822 130 60511	BC847B
7636	4822 130 60511	BC847B
7637	5322 130 41983	BC858B
7660	4822 209 30877	MAIN CTR OTP #
7660	4822 209 30952	MAIN CTR OTP £
7661	4822 130 60511	BC847B
7700	4822 130 60511	BC847B #
7720	4822 209 83159	LA2000
7751	4822 209 30879	RDS HANDLER OTP
7760	4822 209 30878	RDS MICRO P. OTP
7762	4822 209 30954	ST24C08B6
7820	4822 209 30857	PC74HCT107T #
7825	4822 130 42132	BC807 #
7826	4822 130 42132	BC807 #
7827	4822 130 42132	BC807 #
7840	4822 209 30953	ST24C04B6
7850	5322 209 11129	PCF8576T

: FOR 22DC740 ONLY

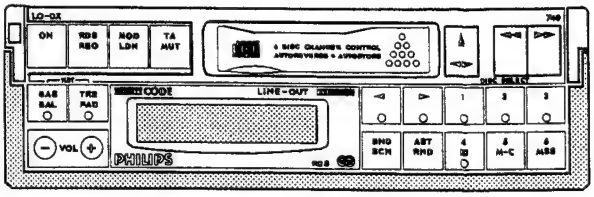
£ : FOR 22DC730 ONLY

Technician's - Remarks

Cassette car radio 22DC730/30R

22DC740/30R

Service
Service
Service



For repair information of the Cassette Deck see Service Manual number 4822 725 24071: P6-25/2 for 22DC730
P6-25/3 for 22DC740

ServiceManual

12 V

Please refere to basic Service Manual of 22 DC 730 & 740 / 00R number 4822 725 22873 with following changes: +4656

Item	Description	22 DC 730 / 30R	22 DC 740 / 30R
401	FRONT	4822 459 50693	4822 459 50696
7660	Main CTR	4822 209 52221	4822 209 52224
7751	RDS Handler	4822 209 52218	4822 209 52218
7760	RDS micro P.	4822 209 52219	4822 209 52219

A new P.C.B. is added on R.D.S. module for E.O.N. function with following parts-list:

item 2780	4822 124 23046	47MU 10% 10 V.
item 2781	4822 122 33496	100 nF 10% X7R 1206
item 2782	4822 122 33496	100 nF 10% X7R 1206
item 2783	4822 124 41754	100 nF 20% 5,5 V.
item 3780	4822 051 20561	560 R 5 % 0,1 W.
item 3781	4822 051 20101	100 R 5 % 0,1 W.
items 3790 to 3797	4822 051 20103	10k 5 % 0,1 W.
item 6780	4822 130 80125	Diode BZX 84-C 5 V 6
item 7780	4822 209 31163	IC FCF 61 C 65 LL-85 T
item 7781	4822 209 60424	IC PC 74 HC 573 T
item 7782	4822 130 42614	Tr.BC 849 C

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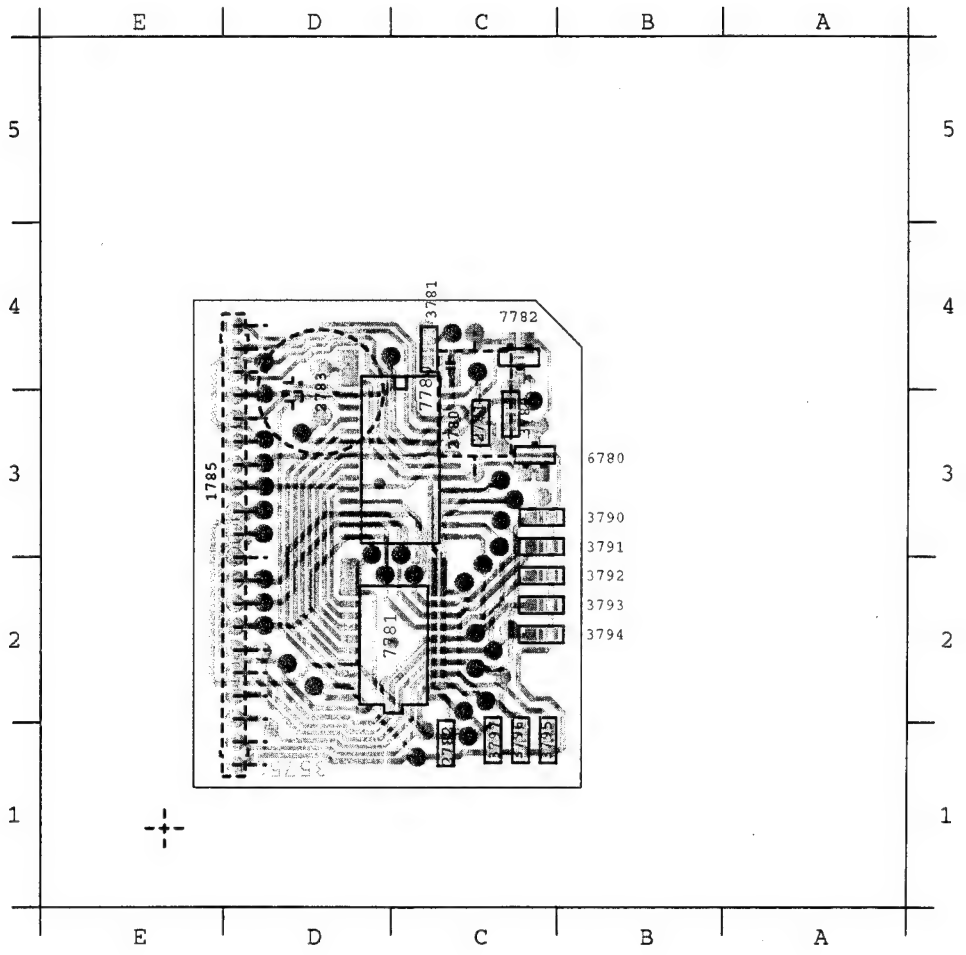
PHILIPS

E . O . N . (Enhanced information about Other Network) P.C.B.

2780 C 3 2783 D 3



2781 C 3
2782 C 1
3780 C 3
3781 C 4
3790 C 3
3791 C 3
3792 C 2
3793 C 2
3794 C 2
3795 C 1
3796 C 1
3797 C 1
6780 C 3
7780 C 2
7781 C 3
7782 C 4

PCS07707

22 DC 730 & 740 / 30R
EON PCB

	2780	E 8
	2781	B 2
	2782	E 2
	2783	E 7
A	3780	D 8
	3781	D 7
	3790	G 5
	3791	G 4
	3792	G 4
	3793	G 4
	3794	G 3
	3795	G 3
	3796	G 3
	3797	G 3
	6780	E 8
	7780	C 3
B	7781	E 2
	7782	D 8

+5V [+6] — 2781 100nF

+5V [+4]

7780 FCB61C65(L/LL)

VDD WE CE2 add. Inp. OE A10 CE1 data I/O

n.c. address Inputs data I/O VSS

1751

20 19 18 17 16 15 14 13 12 11 N C 10 9 8 7 6 5 4 3 2 1

+5V [+4] — 2782 100nF

7781 PCF74HCT573

VCC 1 - 8 Q LATCH ENABLE

OUTPUT CONT. 1 - 8 D GND

+5V [+4] — 3797 10k, 3796 10k, 3795 10k, 3794 10k, 3793 10k, 3792 10k, 3791 10k, 3790 10k

+5V [+6] — 100R 3781, 0,1µF 2783, 47µF 2780, BC849C 7782, 560R 3780, BZX84C5V6 6780

[+4] +5V

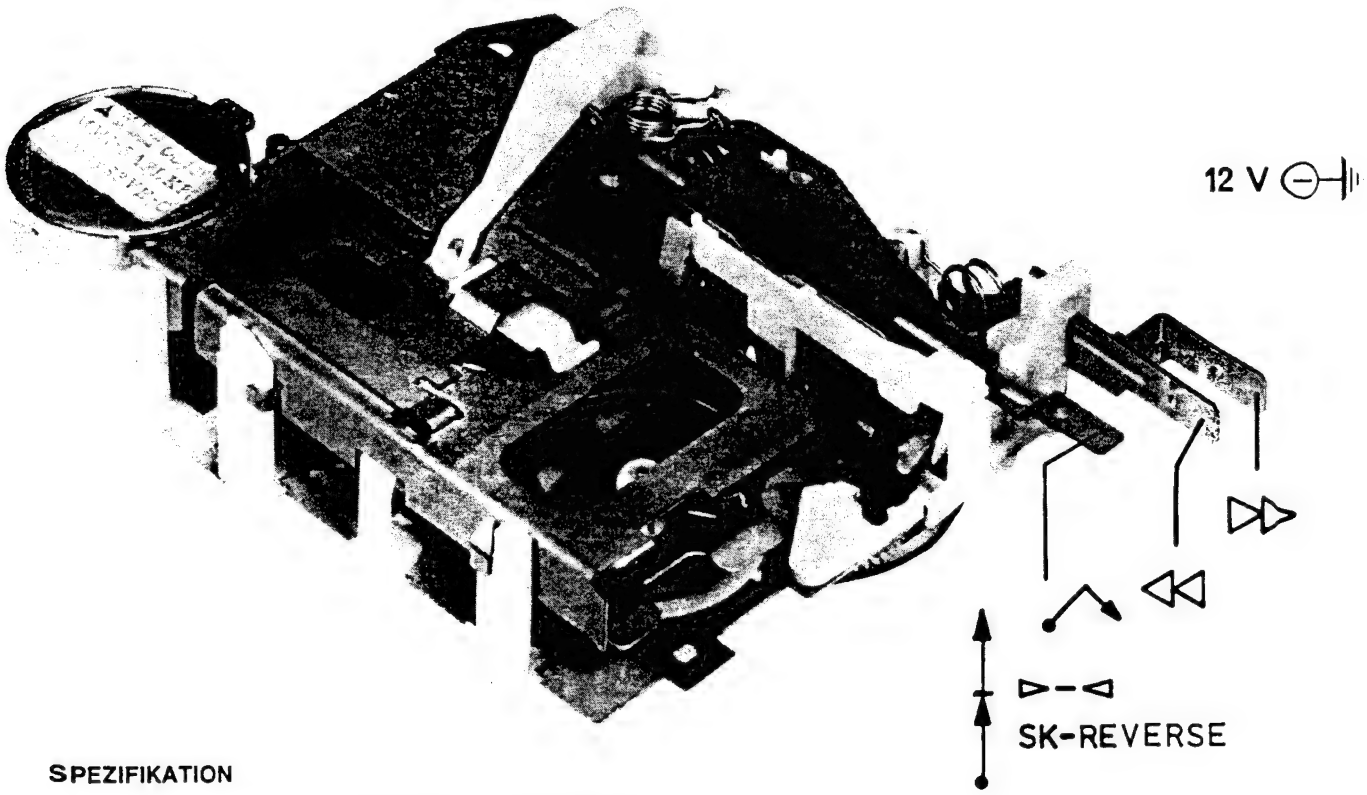
PCS 67 708

Auto cassette deck P6

Service
Service
Service

Version 16

Service Manual



SPEZIFIKATION

Bandgeschwindigkeit	: 4.76 cm/s ± 2% (10-45°C)
Arbeitsspannung	: 8.4-15 V
Gleichlaufschwankungen	: ≤0.3% (10-45°C)
Uebersprechen	: ≥35 dB (1 kHz)
Umspuldauer (C60)	: ≤120 sec.
Spurenzahl	: 2 × 2

3-60 27 A12

Documentation Technique Service Dokumentation Documentazione di Servizio Huolte-Ohje Manual de Servicio Manual de Servicio
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(D) 4822 725 21579
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Published by Service Consumer Electronics

LAUFWERKFUNKTION (Bilder 1...5)

In genannten Bildern sind mit Pfeilen die Bewegungen gekennzeichnet, welche die teile bei einem bestimmten Vorgang ausführen.
In den beigelegten Tabellen ist die Bewegungsfolge festgelegt, wie sie in den Bildern gelesen werden soll.
Es wurde folgende Richtlinie zugrundegelegt:

1 → 3, 1 → 2 : Bewegung zweier verschiedener Teile

1 → 2, 1 → 2a : Bewegung nur eines Bauteils, das sich mit mehreren Teilen aufbaut und das wegen der Deutlichkeit des Bildes an mehreren Stellen Zeichnerisch dargestellt ist.
-(etwa die Friktion).

Bild 1 zeigt die Ausgangsstellung
Bild 2...5 sind das Ergebnis der in Bild 1 ausgeführten Bewegungen (Cassette ist also eingelegt, das Laufwerk befindet sich in Wiedergabestellung).

INSTANDHALTUNG

Es empfiehlt sich, das Laufwerk in regelmässigen Zeitabständen zu reinigen und an den wichtigsten Stellen zu schmieren.

1. Reinigen mit Alkohol oder Spiritus

- Wiedergabeknopf
- Tonwellen
- Andruckrollen
- Seilrollen

Zum Reinigen von Kopf, Druckrolle und Tonwelle kann auch eine s.g. "drop-in"-Reinigungscassette (SBC114-4822 389 20015) benutzt werden.

2. Schmiervorschrift

- Siehe Explosionsansicht 42312E.

REPARATURHINWEISE

An einigen Stellen sind Bauteille durch Kunststoffnocken verriegelt.
Zum Ausbau dieser Bauteile müssen die Nocken verbogen, verdreht usw. werden.
Die Zahnräder 107b, 128b und die Druckrollenbügel 119 sind durch eine Einschnapverbindung an den Achsen befestigt. Mit Hilfe eines Schraubenziehers lassen sich diese Bauteile ausbauen.
Wenn Zahnrad 107b (oder 128b) ausgewechselt wird, ist auch der zugehörige Bügel 107a (oder 128a) auszuwechseln.
Auswechseln der genannten Bauteile siehe Bildern 6...10.

EINSTELLUNGEN UND KONTROLLEN

Benötigte Messgeräte

- Universal-Testcassette SBC419 - 4822 397 30069
- Universal-Testcassette SBC420 - 4822 397 30071
- Friktions-Testcassette 4822 395 30054
- Wechselspannungs-Millivoltmeter
- Federwaage 3-55 p
- Gleichlaufanalysator

1. Azimut (Bilder 11 und 12)

- Beide Lautsprecherausgänge mit 4 Ω belasten.
- An beide Lautsprecherausgänge ein Wechselspannungs-Millivoltmeter schalten.
- Mit Hilfe einer Testcassette SBC419 oder SBC420 das 10-kHz-Signal wiedergeben.
- Schraube A auf den Mittelwert der Höchst-Ausgangsspannungen einstellen.
- Die Differenz zwischen beiden Kanälen darf zuhöchst 4 dB betragen.
- Auf Stellung "reverse" umschalten.
- Falls der gemessene Wert vom bereits gemessenen Wert abweicht das Lager 118 im vorderen Schwungrad ("reverse") verdrehen.

2. Friktionen

- Friktions-Testcassette in das Gerät einlegen. Die Aufwickelfriktion muss für beide Richtungen 55-70 pcm betragen, gemessen nach einer Einlaufdauer von 2 Minuten.
- Der Gegenzug muss für beide Richtungen 4,5-7,5 pcm betragen.
- Bei einem abweichenden Wert muss die entsprechende Aufwickelfriktion oder der entsprechende Gegenzug ausgewechselt werden.
- Die Aufwickelfriktion (SVL) muss 80-130 pcm sein (bei trockenem Wetter: niedriger Wert; bei feuchtem Wetter: hoher Wert).
  Einem zu hohen Wert ist abzuhelfen, dadurch dass Blattfeder 137a an den 3 Enden mit einem stumpfen Kunststoffstäbchen ein wenig zusammengedrückt wird.

3. Andruckrolle 119

- Kontrolle nach Bild 13.

Der Andruckrollendruck ist nicht einstellbar. Bei einem abweichenden Wert muss Feder 172 ausgewechselt werden.

4. Gleichlaufschwankungen/Bandgeschwindigkeit

Es muss mit dem Autoradio komplett kontroliert werden, und zwar wie folgt.

- Gleichlaufanalysator an die Lautsprecherausgänge schalten
- Testcassette SBC419 oder SBC420 einlegen und das 3150-Hz-Signal wiedergeben.
- Der Jaulwert muss ⩽ 0.3% sein.
- Die Bandgeschwindigkeit muss 4,76 cm/s ±2% betragen.
  Die Geschwindigkeit lässt sich mit Schraube B (Bild 11) einstellen.

Bei einem übermässigen Jaulwert müssen folgende Teile auf ihre richtige Arbeitsweise (Einstellung) kontrolliert werden

- Motor 132
- Andruckrolle 119
- Reibkupplungen 103
- Schwungräder 116, 137
- Seil 117
- Lager 113. Beim Auswechseln das neue Lager zuerst kurz "einlaufen" (Schwungrad ein wenig schräg einstecken und einige Umdrehungen schnell rotieren lassen.)
- Scheibe 104. Ist der Wert in der (üblichen) Wiedergabestellung zu hoch, so muss die vordere Scheibe ausgewechselt werden. Bei einem zu hohen Wert in der 'reverse'-Stellung ist die hintere Scheibe auszuwechseln.

5. Schwungrad 116,137

- Siehe Bild 14.

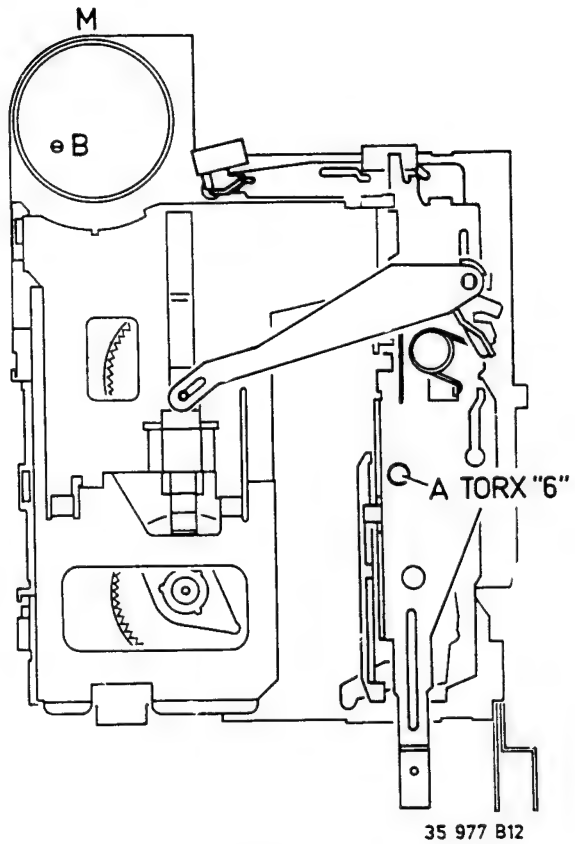


Fig. 11

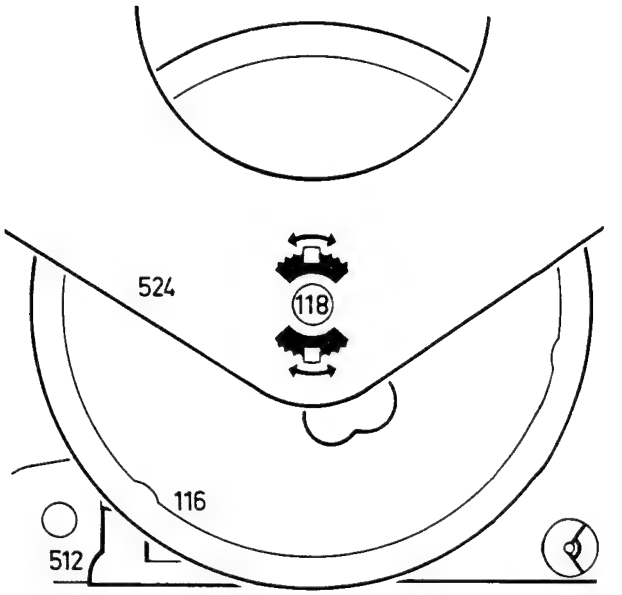


Fig. 12

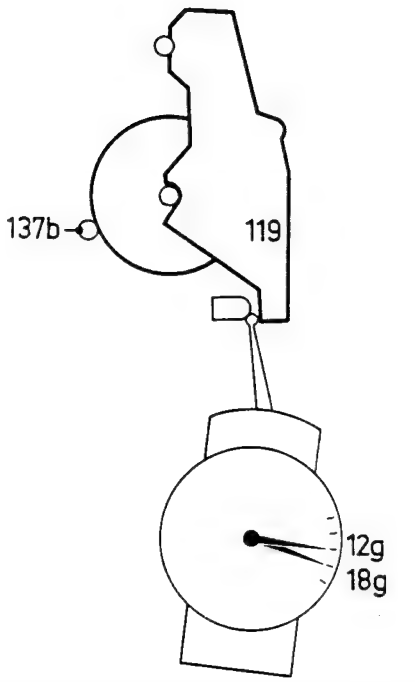


Fig. 13

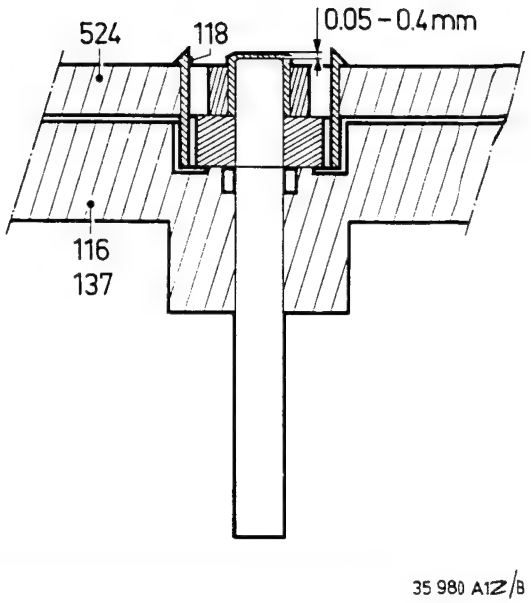
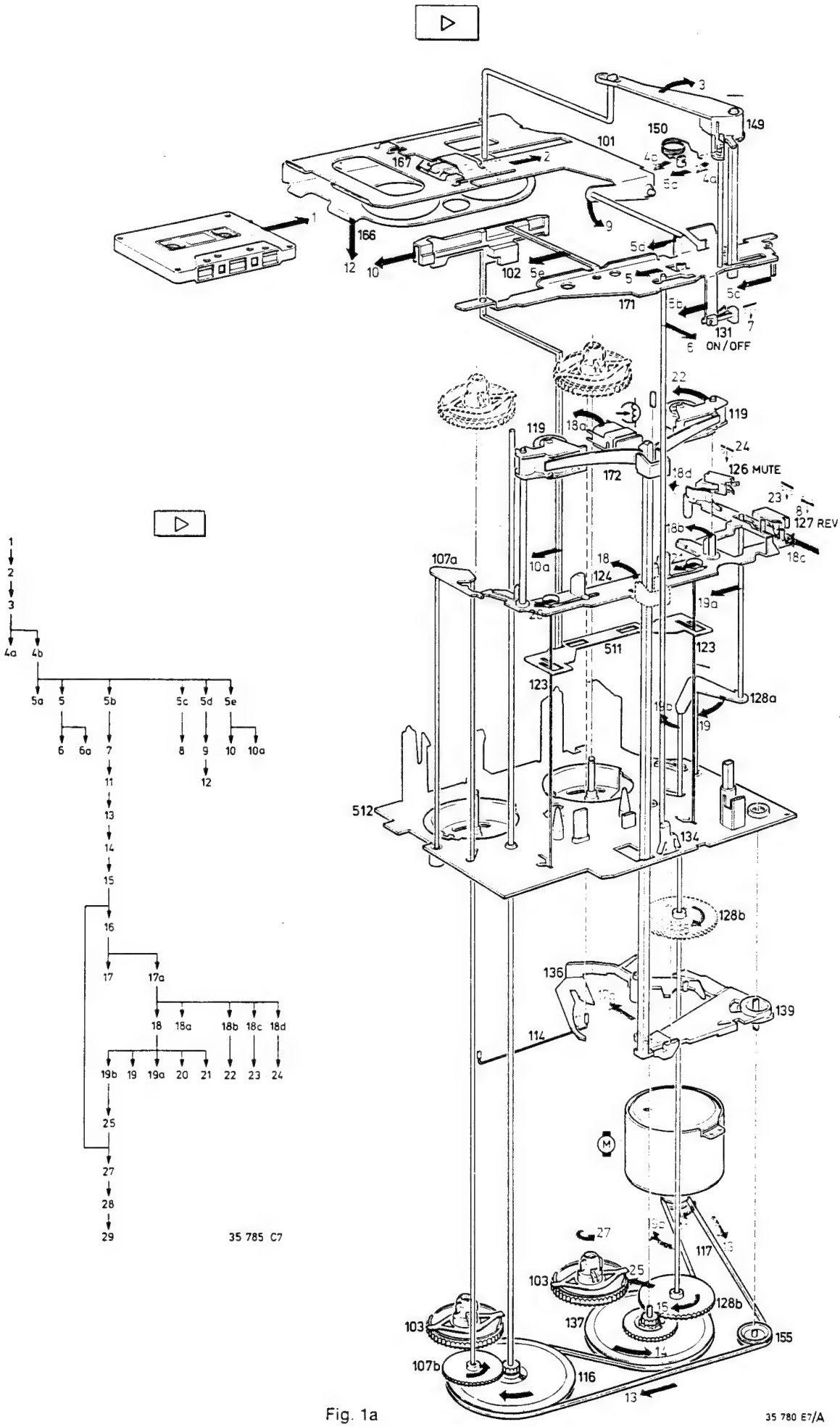


Fig. 14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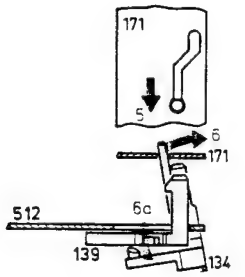
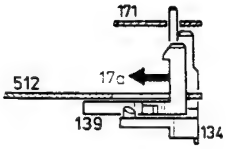
2
3
4a 4b
5a 5 5b 5c 5d 5e
6 6a 7 8 9 10 10a
11 12
13
14
15
16
17 17a
18 18a 18b 18c 18d
19b 19 19a 20 21 22 23 24
25
27
28
29
35 785 C7
101
102
103
107a
107b
116
117
119
123
124
126 MUTE
127 REV
128a
128b
131 ON/OFF
134
136
137
139
149
150
155
166
167
171
172
511
512
35 780 E7/A

Fig. 1a



35 768 A7/A

Fig. 1b



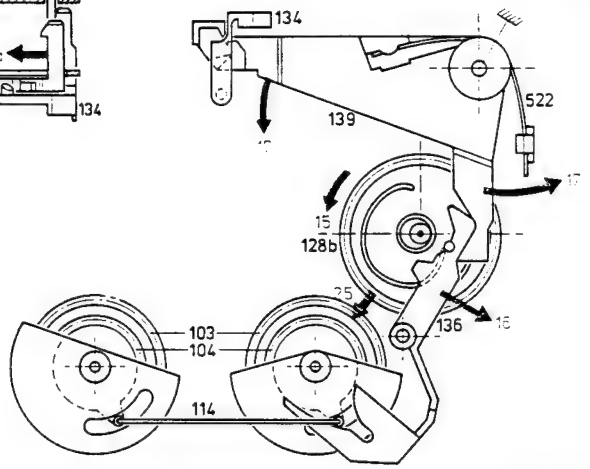
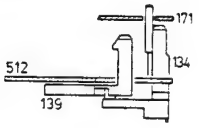
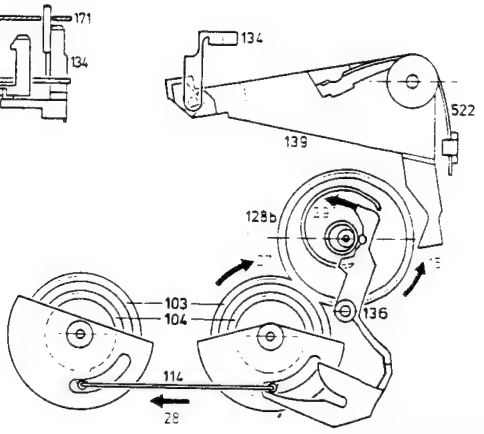


Fig. 1c

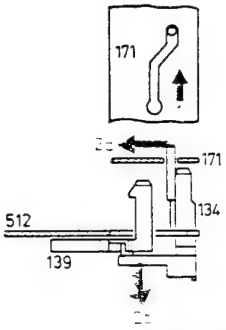
35 771 B7/A





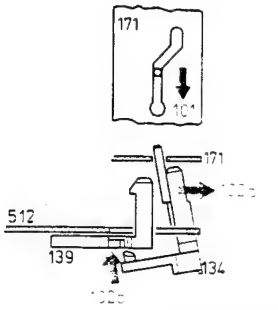
35 777 B7/A

Fig. 1d



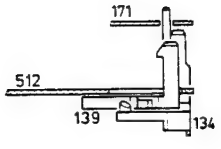
36 026 A7/A

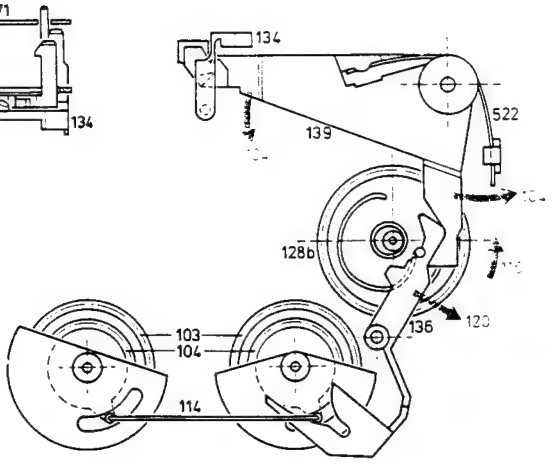
Fig. 2b



35 767 A7/A

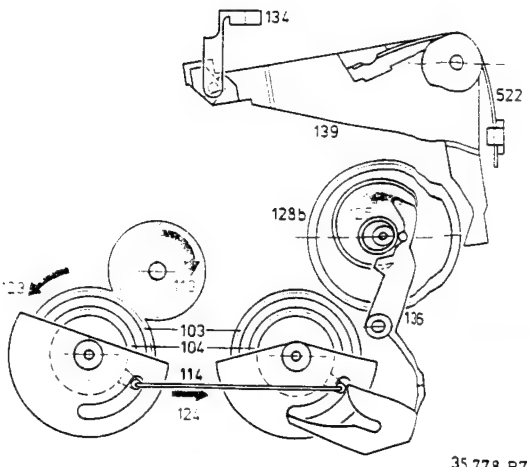
Fig. 2c





35 773 B7/A

Fig. 2d



35 778 B7

Fig. 2e

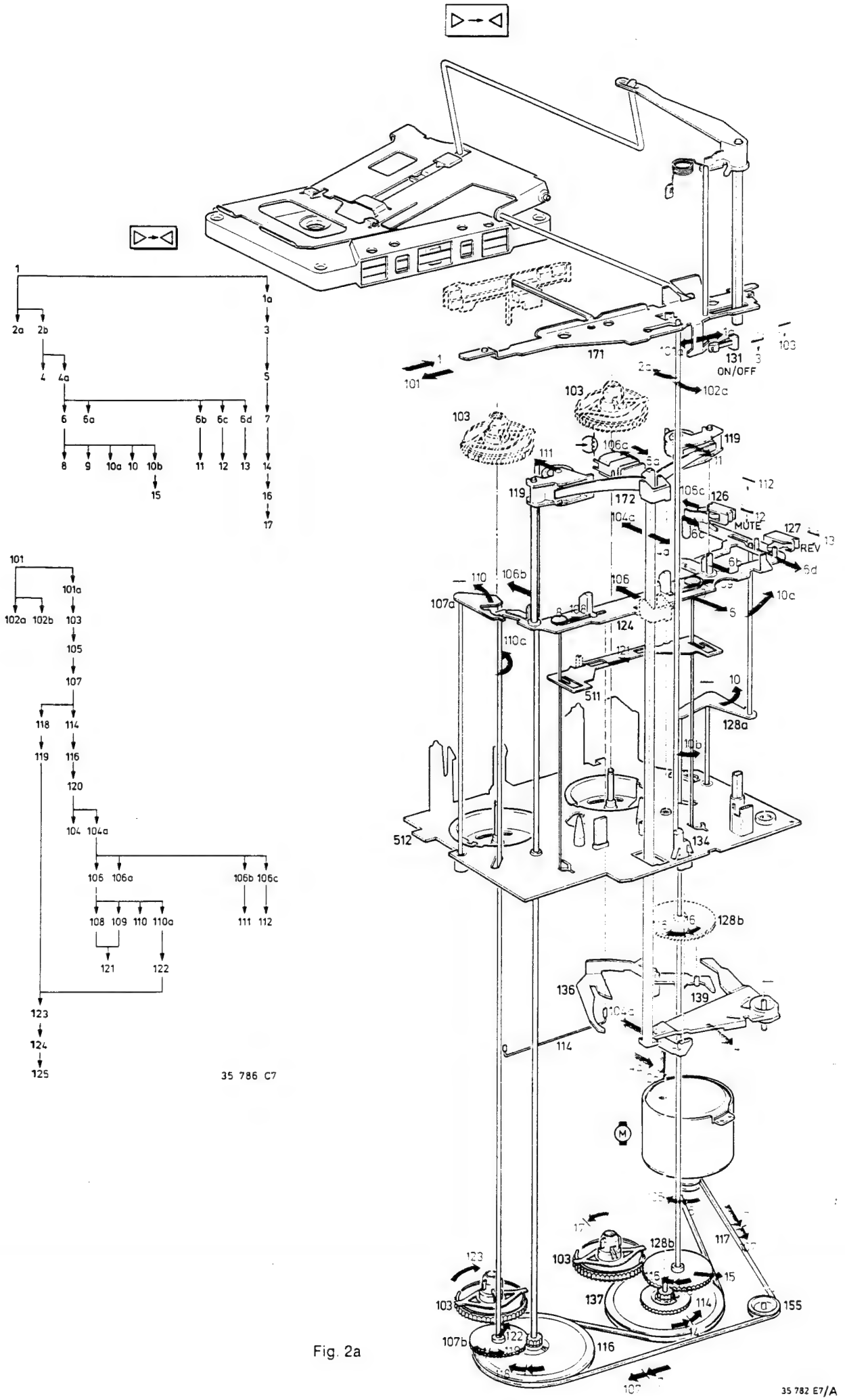
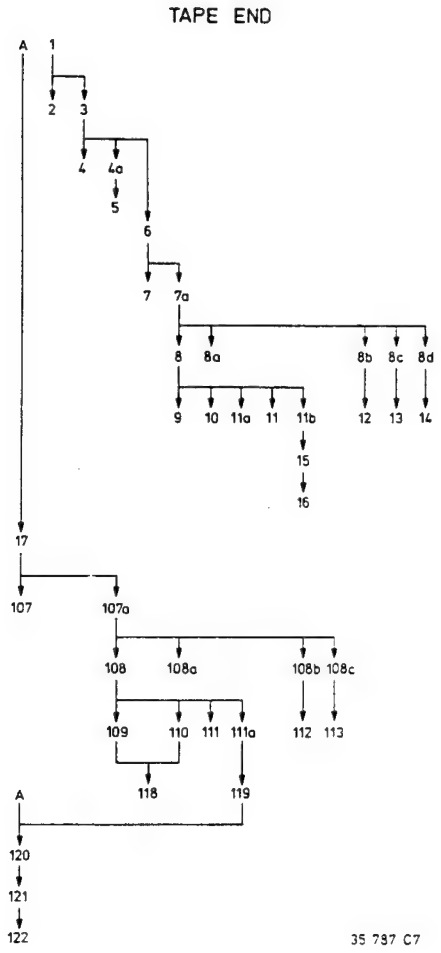

1
1a
2a 2b
3
4 4a
5
6 6a 6b 6c 6d 7
8 9 10a 10 10b 11 12 13 14
15
16
17
101
101a
102a 102b 103
105
107
118 114
119 116
120
104 104a
106 106a 106b 106c
108 109 110 110a 111 112
121 122
123
124
125
35 786 C7
171
131
ON/OFF
172
MUTE
REV
107a
124
511
128a
512
134
128b
136
139
114
137
155
107b
116
35 782 E7/A

Fig. 2a

TAPE END



TAPE END

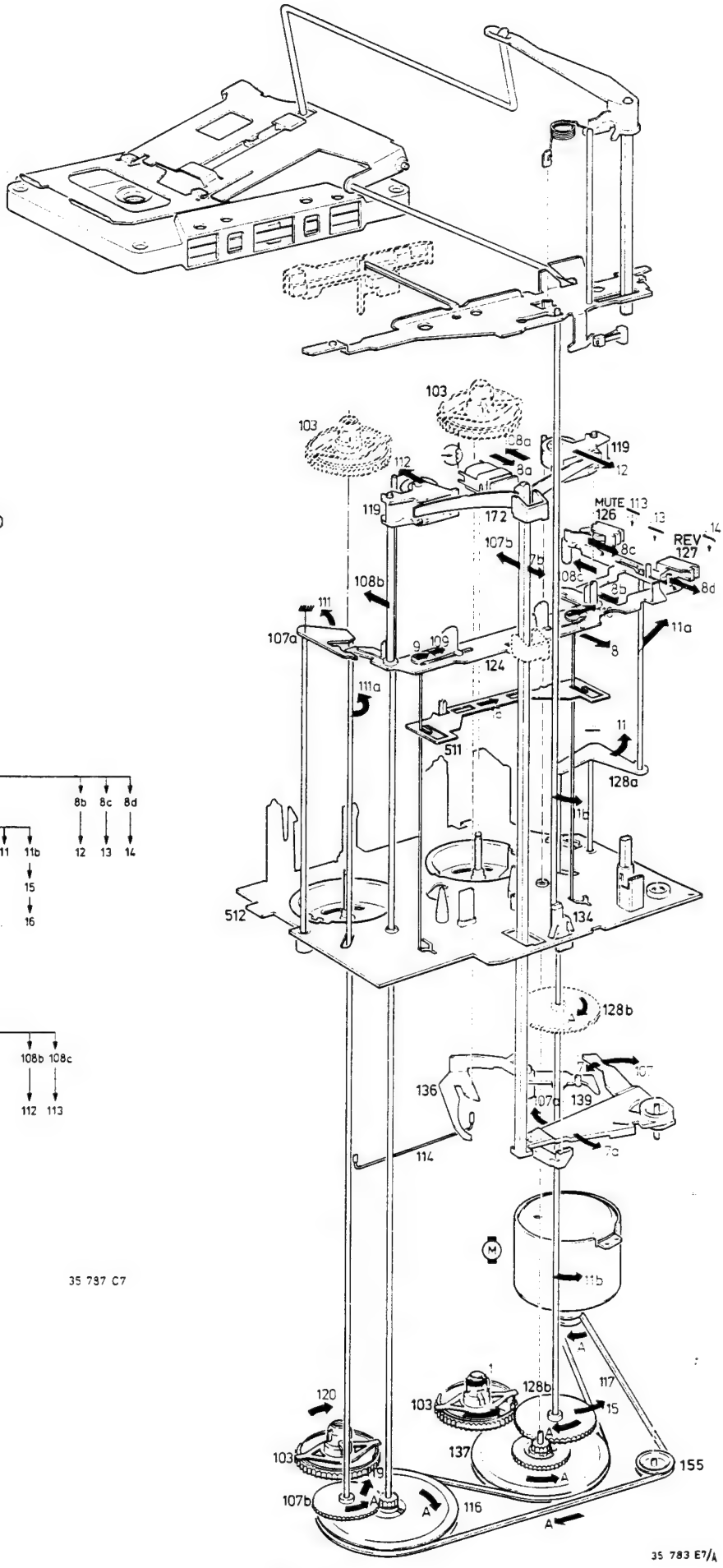


Fig. 3a

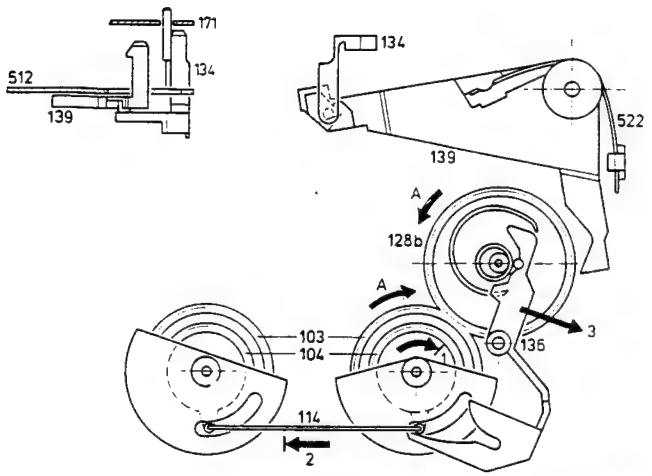


Fig. 3b 35 776 B7/A

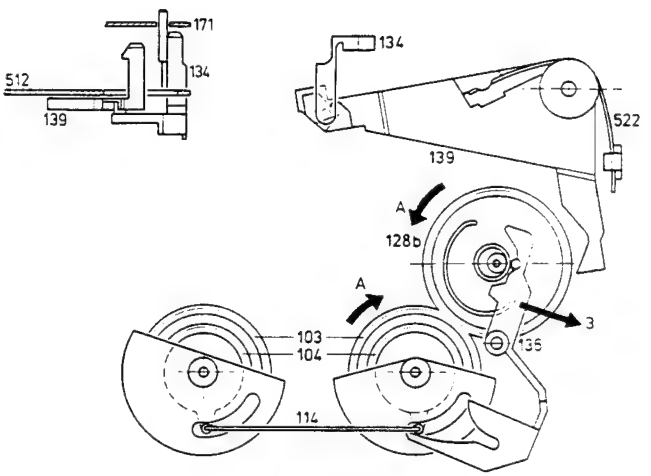


Fig. 3c 35 775 B7/A

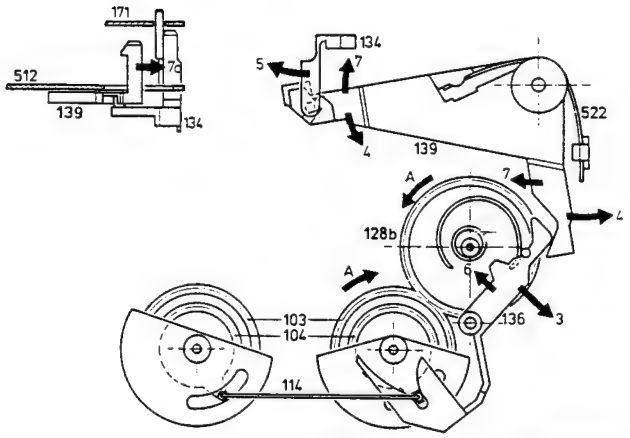


Fig. 3d 35 770 B7/A

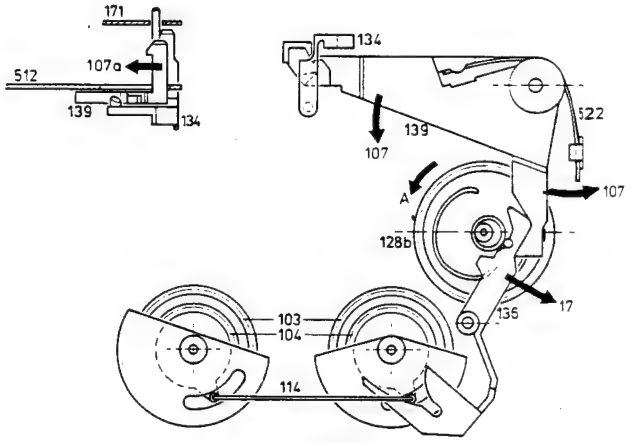


Fig. 3e 35 77? B7/A

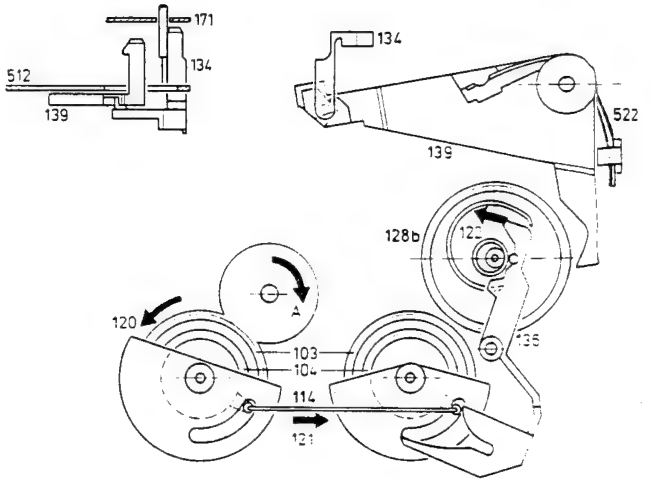


Fig. 3f 35 7? 9 B7/A

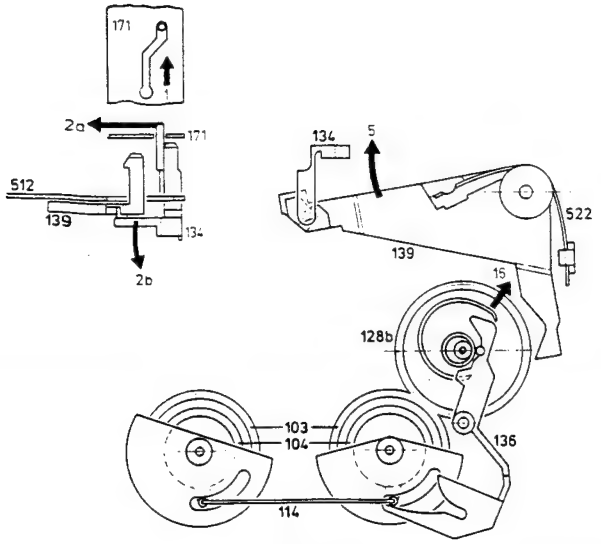
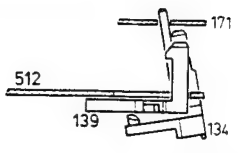
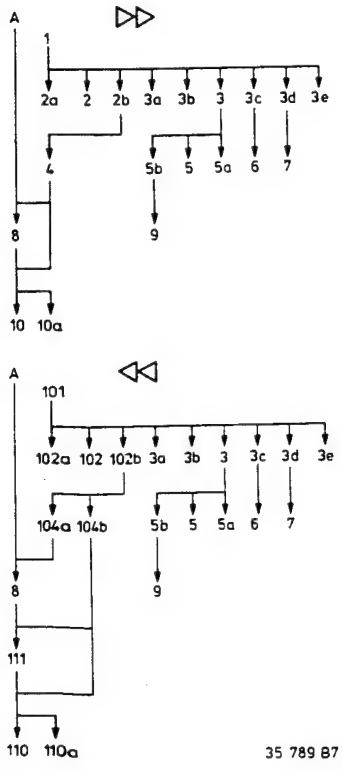


Fig. 4b 35 774 B7/B



35 769 A7/A

Fig. 4c


A
1
2a 2 2b 3a 3b 3 3c 3d 3e
4
5b 5 5a 6 7
8
9
10 10a
A
101
102a 102 102b 3a 3b 3 3c 3d 3e
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5b 5 5a 6 7
8
9
111
110 110a
35 789 87

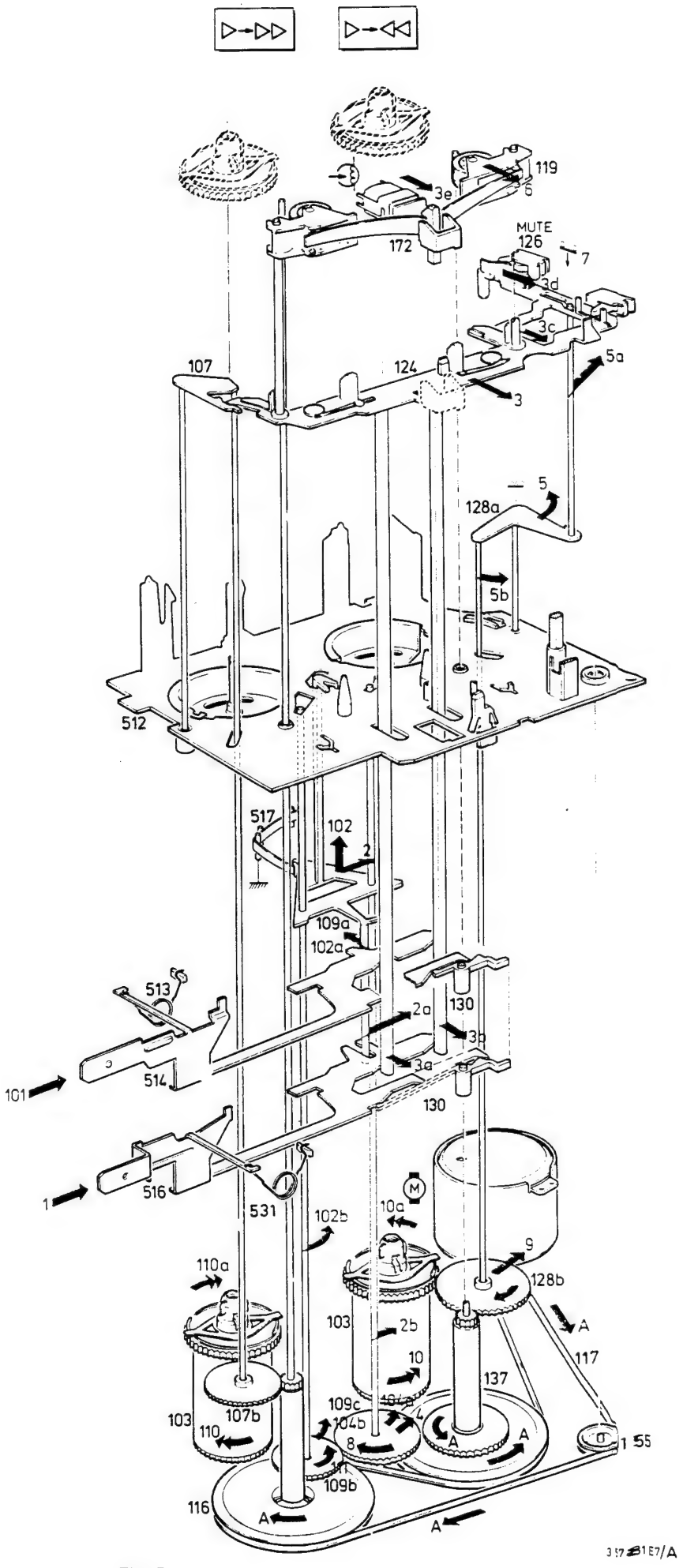
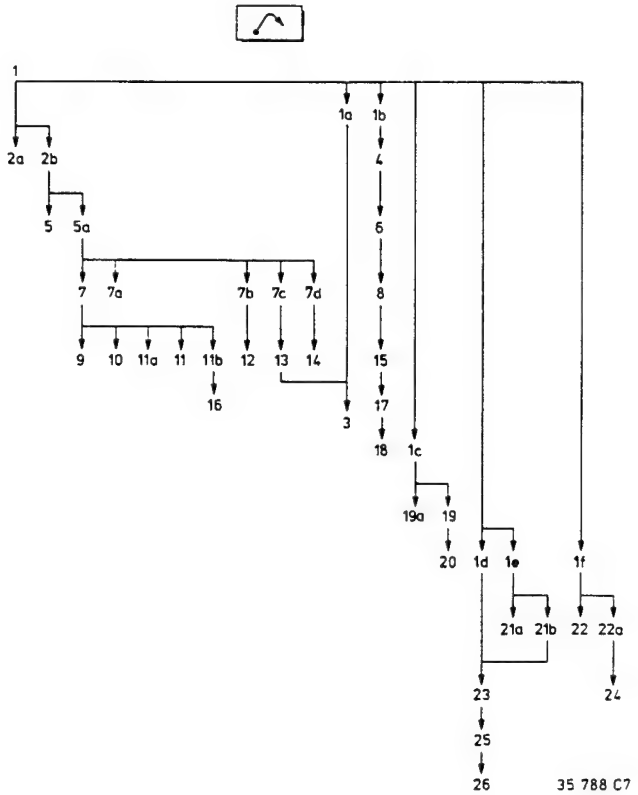

119
5
3e
MUTE
126
7
172
3d
3c
5a
107
124
3
5
128a
5b
512
517
102
2
109a
102a
513
2a
130
3b
3a
514
101
130
516
531
1
102b
10a
9
110a
128b
A
103
2b
117
10
137
107b
109c
104b
103
110
8
A
A
1 55
109b
116
A
A
3 17 31 87/A

Fig. 5



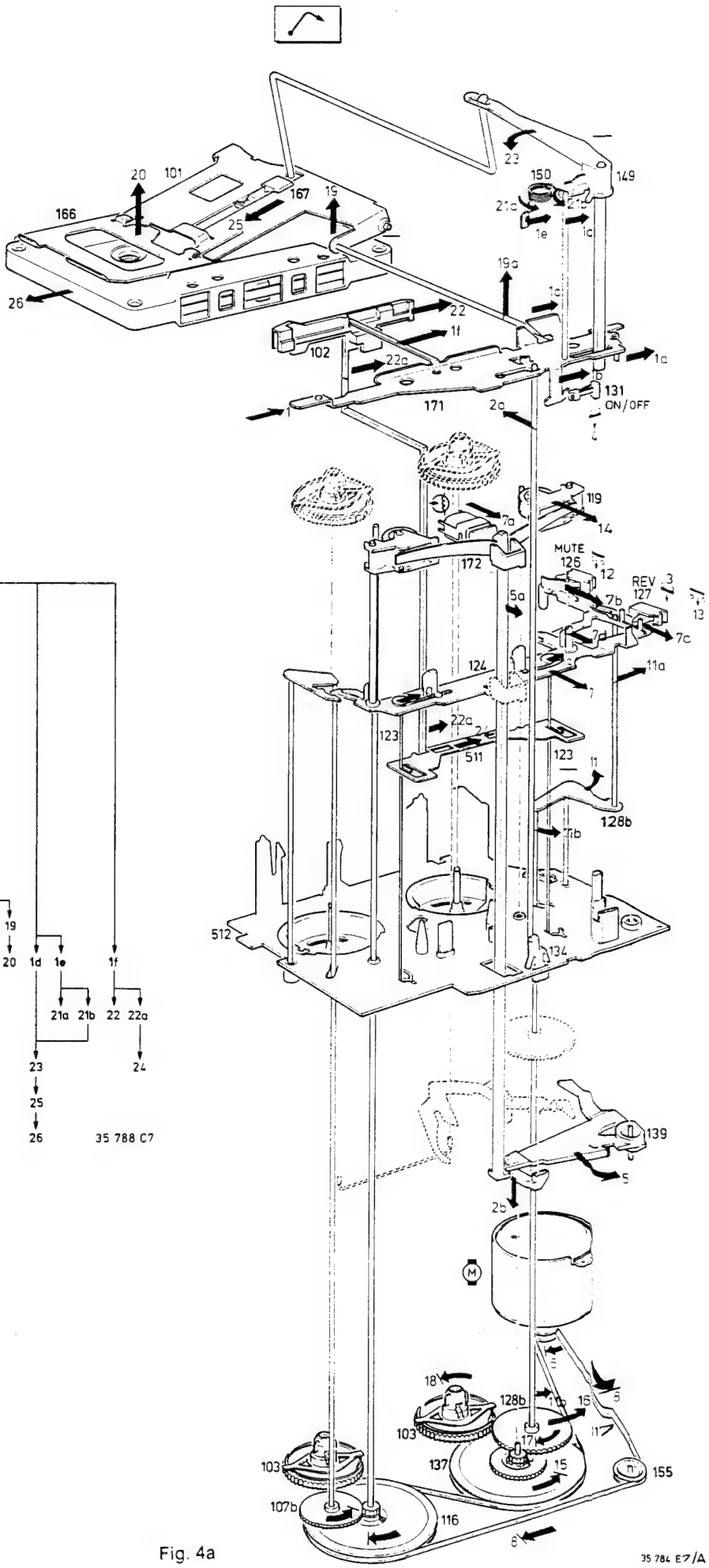
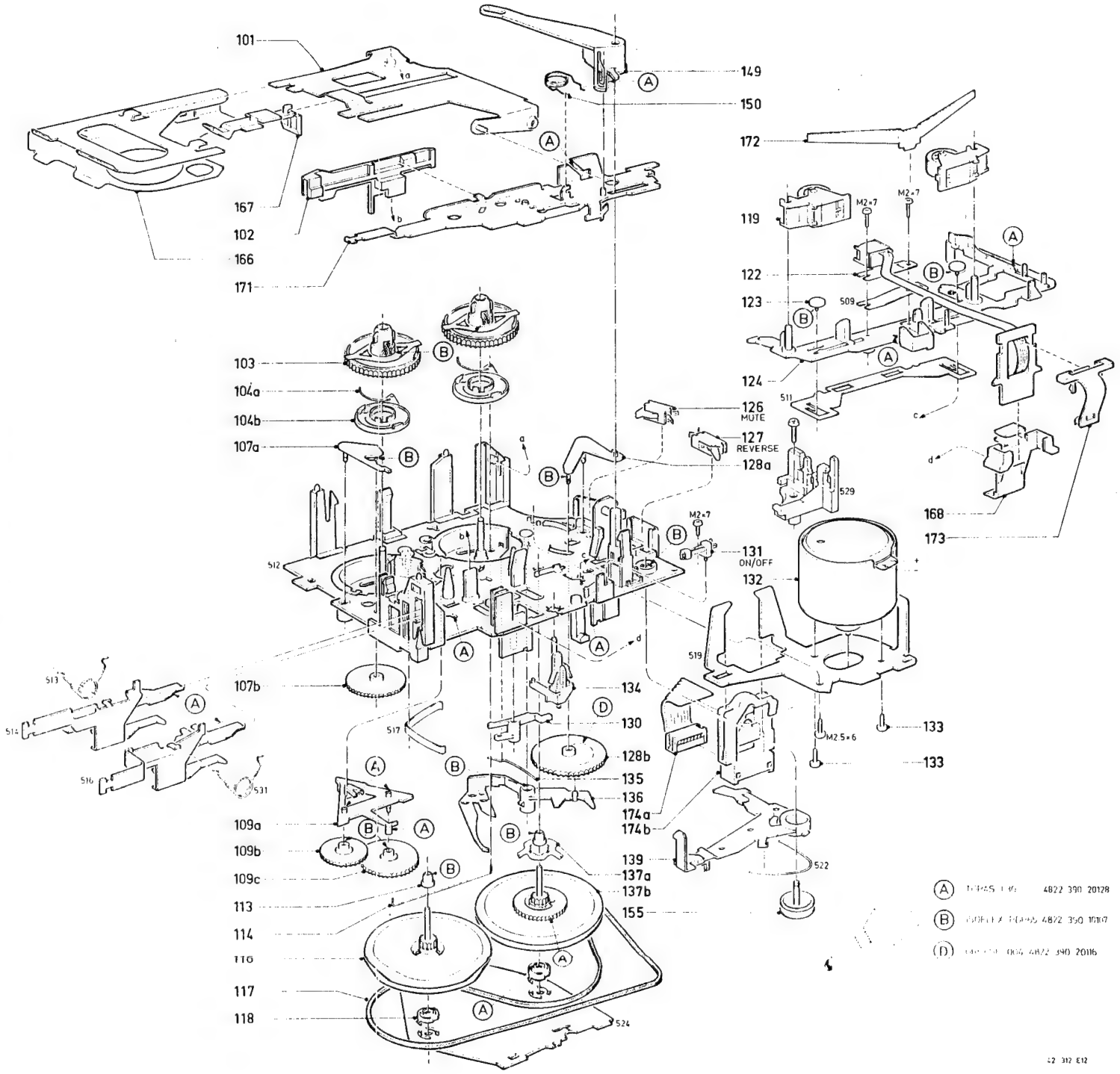


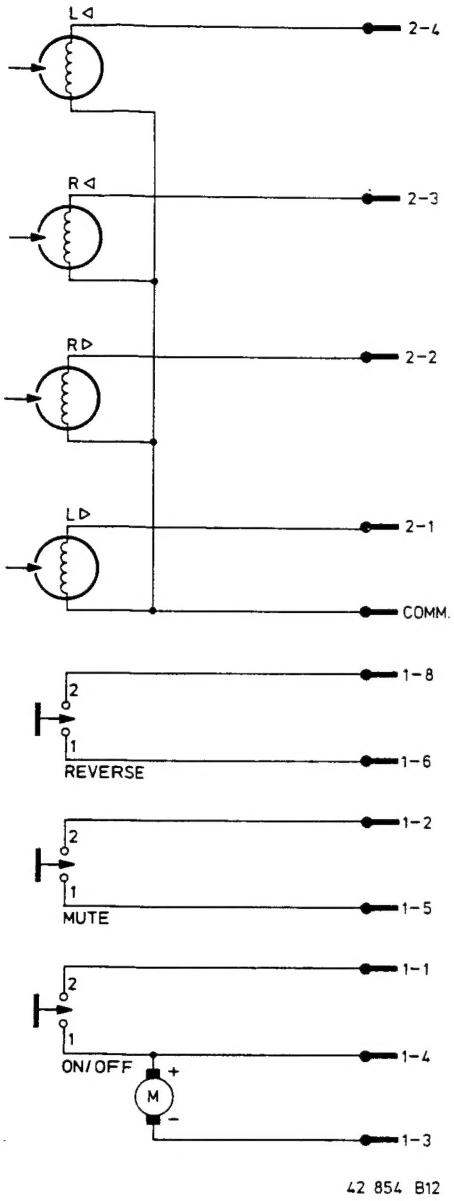
Fig. 4a

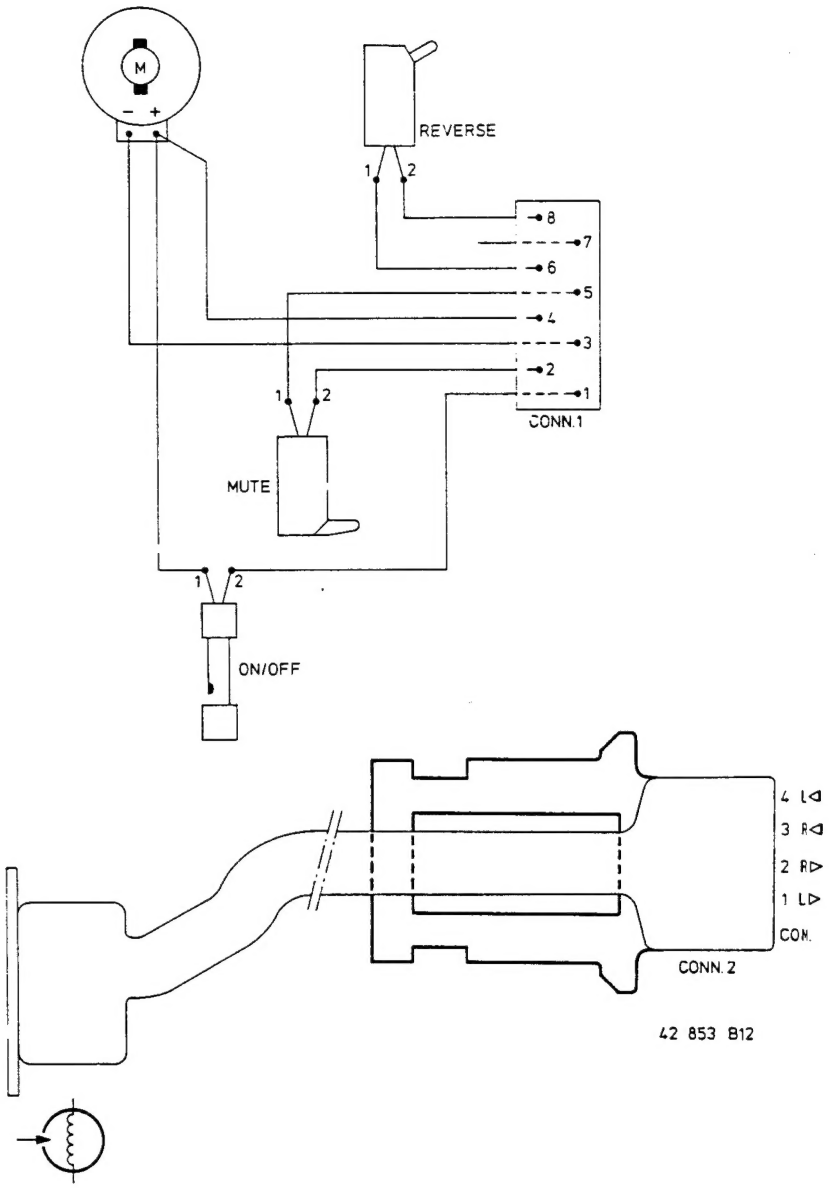
35 784 E7/A

CS 11 378

A	4822 390 20128
B	4822 390 10107
D	4822 390 20116
101	4822 466 81479
102	4822 462 30242
103	4822 466 70526
104	4822 466 70527
107	4822 522 20325
109	4822 522 20327
113	4822 520 30406
114	4822 492 90076
116	4822 528 80985
117	4822 358 30405
118	4822 520 30407
119	4822 403 40157
122	4822 249 30117
123	4822 528 80983
124	4822 459 80209
126	4822 277 10749
127	4822 277 10748
128	4822 522 20326
130	4822 403 52509
131	4822 276 11291
132	4822 361 20487
133	4822 502 12548
134	4822 403 10225
135	4822 492 63217
136	4822 403 52031
137	4822 528 80984
139	4822 403 52029
149	4822 404 20568
150	4822 492 41275
155	4822 528 81144
166	4822 404 20593
167	4822 404 20585
168	4822 256 91254
171	4822 404 20951
172	4822 492 63216
173	4822 404 20952
174	4822 321 22596




L◁
2-4
R◁
2-3
R▷
2-2
L▷
2-1
COMM.
1-8
2
1
REVERSE
1-6
1-2
2
1
MUTE
1-5
1-1
2
1
ON/OFF
+
M
−
1-4
1-3
42 854 B12


M
− +
REVERSE
1
2
8
7
6
5
4
3
2
1
CONN.1
1
2
MUTE
1
2
ON/OFF
4 L◁
3 R◁
2 R▷
1 L▷
COM.
CONN.2
42 853 B12

BELT 117, FLY WHEELS 116, 137, COG WHEEL 107

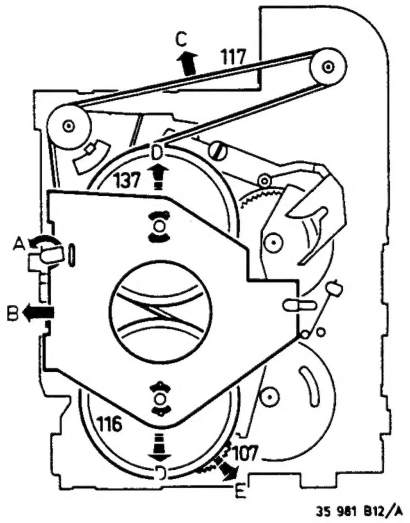


Fig. 6

PRESSURE ROLLER 119, HEAD 122

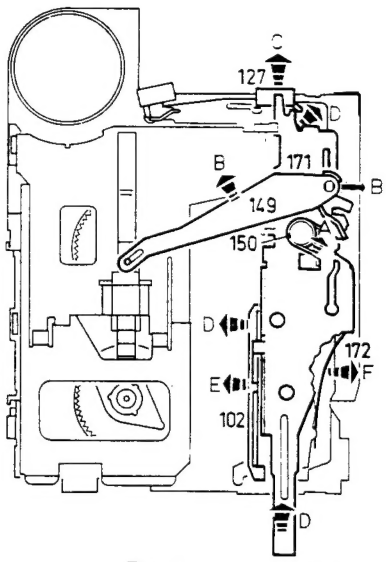


Fig. 7

HEAD BRACKET 124

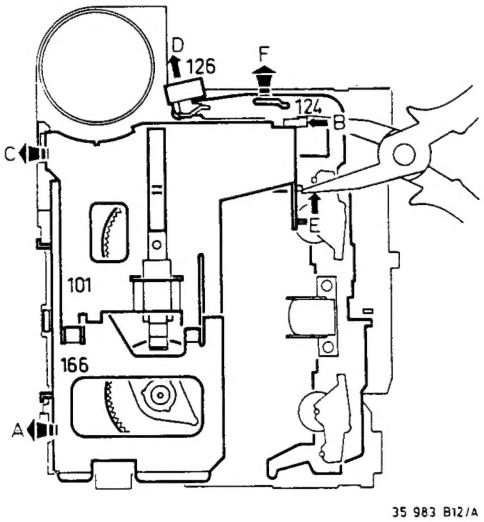


Fig. 8

CLUTCH 103

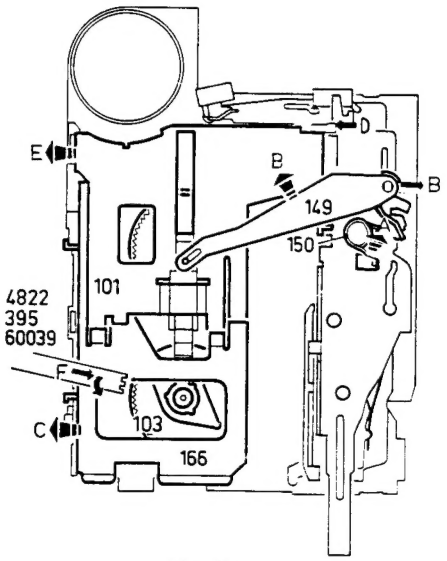


Fig. 9

COG WHEELS 109, 128

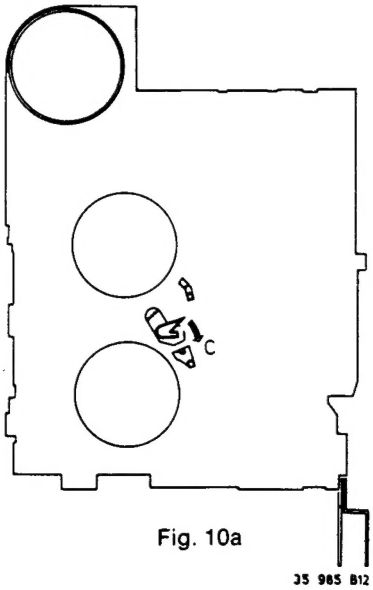


Fig. 10a

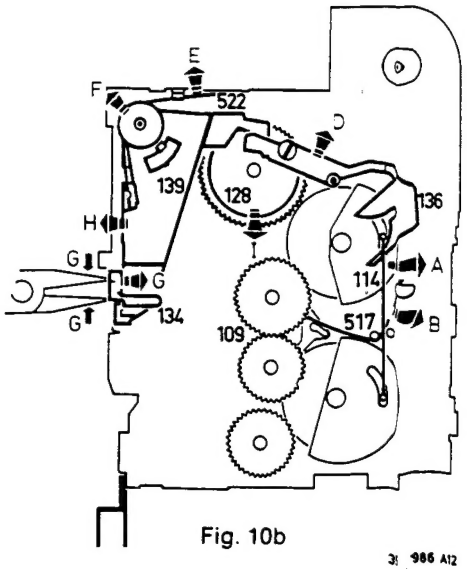


Fig. 10b

Car cassette deck P6–25/2
P6–25/3

Service
Service
Service

Service Manual

For this versions, please refer to the Service Manual P6 version 16 (from week 140) with following exceptions: the motor has been mounted at the left side, the playback head has been replaced by a Dolby version,MSS has been added (only P6–25/3).
This deviations have been incorporated in the exploded view and in the complete list of parts

Published by Philips Car Stereo Printed in The Netherlands

48℞ 725 24071

A	4822 390 20128	
B	4822 390 10107	
D	4822 390 20116	
101	*4822 466 81479*	
102	4822 462 30242	
103	4822 466 70526	
104	4822 466 70527	
107	4822 522 20325	
109	4822 522 20327	
113	4822 520 30406	
114	4822 492 90076	
116	4822 528 80985	
117	4822 358 31136	
118	4822 520 30407	
119	4822 403 40157	
122	4822 249 30179	
123	4822 528 80983	
124	4822 459 80209	
126	4822 277 10749	
127	4822 277 10748	
128	4822 522 20326	
131	4822 276 13081	
130	4822 403 52509	
132	4822 361 21103	
133	4822 502 12548	
134	4822 403 10225	
135	4822 492 63217	
136	4822 403 52031	
137	4822 528 80984	
139	4822 404 21169	
149	4822 404 20568	
150	4822 492 41275	
155	4822 528 81144	
166	4822 404 20593	
167	4822 404 20585	
168	4822 256 91801	
171	4822 404 20951	P6-25/2
171	4822 404 21174	P6-25/3
172	4822 492 63216	
174	4822 321 61271	P6-25/2
174	4822 321 61516	P6-25/3
175	4822 404 21173	P6-25/3
176	4822 281 50113	P6-25/3
177	4822 281 60165	P6-25/3
180	4822 256 91799	
183	4822 492 71064	
184	4822 404 21232	P6-25/3

Deck complete: 4822 701 12683 P6-25/2
4822 701 12684 P6-25/3

P6-25/2